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Paris Paralympics 2024

The 2024 Summer Paralympics, officially the XVII Paralympic Games, took place in Paris from 28 August to 8 September, 2024. This event highlights the spirit of inclusivity and celebrates the extraordinary achievements of athletes with disabilities.

This is the first time Paris hosted the Summer Paralympics and the second time France hosted the Paralympic Games. Previously France hosted the 1992 Winter Paralympics in Tignes and Albertville.

- **Official Mascot of Paris Paralympics 2024:** The Phryge, which symbolises liberty and freedom
- **Motto of Paris Paralympics 2024:** Games Wide Open (French: Ouvrons Grand les Jeux)
- **Anthem of Paris Paralympics 2024:** 'Parade', composed by Victor Le Masne
- **Participants:** 4,463 athletes
- **Nations:** 170 (including NPA and RPT teams)
- **Events:** 549 medal events across 22 sports
- **Stadium of Opening ceremony:** Place de la Concorde
- **Opened by:** Emmanuel Macron (President of France)
- **Stadium of Closing ceremony:** Stade de France
- **Closed by:** Andrew Parsons (President of the IPC)
- **India's flag bearer at Opening Ceremony:** Javelin thrower Sumit Antil and Shot putter Bhagyashri Jadhav
- **India's flag bearer at Closing Ceremony:** Archer Harvinder Singh and sprinter Preethi Pal

Indian Contingent at 2024 Paris Paralympics:

- **Participants:** 84 athletes, including 32 women competing across 12 sports. This is the largest ever contingent of India.
- **Chef de Mission for India's Paralympic Contingent:** Vice President of Paralympic Committee of India, Satya Prakash Sangwan
- **New Sports Indian para-athletes participated:** Para cycling, Para rowing and Blind Judo

Notable achievements for India in Paris Paralympics 2024:

- ✓ India achieved best-ever single-day gain by



winning 8 medals including 2 Gold, 3 Silver and 3 Bronze.

- ✓ Female athletes won 10 medals including 1 Gold, 1 Silver and 8 Bronze.

✓ The 2024 Paris Paralympics marks India's most successful campaign in the history of Paralympics, surpassing the 19 medal haul at the 2020 Tokyo Paralympics.

- ✓ India also crossed the milestone of 50 medals in the history of the competition.
- ✓ The 2024 edition marks India's first-ever gold medal in the Men's Javelin F41 category.
- ✓ This edition marks India's remarkable achievement with most number of medals in a single edition.
- ✓ Avani Lekhara won a Gold medal in shooting for the second consecutive time and became the first Indian woman Paralympic athlete to win back-to-back Gold and multiple medals.
- ✓ Kapil Parmar has secured India's first Paralympic Judo Medal.

India's Paralympics History:

- ✓ India first participated in the Paralympics in 1968 in Tel Aviv, Israel with a total of 10 athletes, consisting of 8 men and 2 women.
- ✓ In 1972, India won its first medal, a Gold in swimming by Murlikant Petkar.
- ✓ In the 1984 Paralympic Games, India secured 4 medals, including 2 Silver and 2 Bronze.
- ✓ India's next paralympic success came 20 years after in 2004 Athens Games, where Devendra Jhaharia won Gold in Men's Javelin Throw F44/46 and Rajinder Singh Rahelu earned a Bronze in Men's Powerlifting 56 kg, taking India's total tally to 2 medals in that edition.
- ✓ Overall in 13 editions of Paralympics (1968-2024), India has won a total of 60 medals including 16 Gold, 21 Silver and 23 Bronze medals.

Top 10 Countries in Medal Tally and India's Place :

Rank	Country	Gold	Silver	Bronze	Total
1	China	94	76	50	220
2	Great Britain	49	44	31	124
3	United States	36	42	27	105
4	Netherlands	27	17	12	56
5	Brazil	25	26	38	89
6	Italy	24	15	32	71
7	Ukraine	22	28	32	82
8	France	19	28	28	75
9	Australia	18	17	28	63
10	Japan	14	10	17	41
18	India	7	9	13	29

India's Medal at 2024 Paris Paralympics Sport-by-Sport

Sport	No. of Medals	Gold	Silver	Bronze
Archery	2	1	0	1
Athletics	17	4	6	7
Badminton	5	1	2	2
Judo	1	0	0	1
Shooting	4	1	1	2

India's Achievement at Paris Paralympics 2024

Medal	Athlete	Sports	Events
Gold	Avani Lekhara	Shooting	Women's 10m air rifle standing SH1
	Nitesh Kumar	Badminton	Men's singles SL3
	Sumit Antil	Athletics	Javelin throw F64
	Harvinder Singh	Archery	Men's individual recurve open
	Dharambir	Athletics	Men's club throw F51
	Praveen Kumar	Athletics	Men's high jump T64
	Navdeep Singh	Athletics	Men's Javelin throw F41
Silver	Manish Narwal	Shooting	Men's 10m air pistol SH1
	Nishad Kumar	Athletics	Men's high jump T47
	Yogesh Kathuniya	Athletics	Men's Discus throw F56
	ThulasimathiMurugesan	Badminton	Women's singles SU5
	SuhasYathiraj	Badminton	Men's singles SL4
	Ajeet Singh	Athletics	Men's Javelin throw F46
	Sharad Kumar	Athletics	Men's high jump T63
	Sachin Khilari	Athletics	Men's Shot Put F46
	Parnav Soorma	Athletics	Men's club throw F51
Bronze	Mona Agarwal	Shooting	Women's 10m air rifle standing SH1
	Preethi Pal	Athletics	Women's 100m T35
	Rubina Francis	Shooting	Women's 10m Air Pistol SH1
	Preethi Pal	Athletics	Women's 200m T35
	Manisha Ramadass	Badminton	Women's singles SU5
	NithyaSre Sivan	Badminton	Women's singles SH6
	Deepthi Jeevanji	Athletics	Women's 400m T20
	Mariyappan Thangavelu	Athletics	Men's high jump T63
	Sundar Singh Gurjar	Athletics	Men's Javelin throw F46
	Kapil Parmar	Judo	Men's -60kg J1
	HokatoHotozheSema	Athletics	Men's Shot Put F57
	Simran	Athletics	Women's 200m T12
	Rakesh Kumar/ Sheetal Devi	Archery	Mixed team compound open

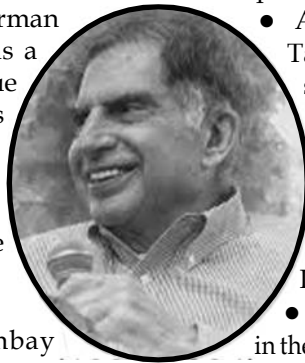
RATAN TATA-THE GEM OF INDIA

“None can destroy iron, but its own rust can. Likewise, none can destroy a person, but their own mindset can.” -Ratan Tata

Veteran Indian industrialist and Chairman Emeritus of Tata Sons, Ratan Tata was a visionary leader, a humble soul, and a true icon of ethical business practices. His demise is an irreparable loss to India. He is remembered for not only transforming the Tata Group into a global powerhouse but also for his dedication to corporate social responsibility and philanthropy.

❖ About Ratan Tata:

- **Born:** 28 December, 1937 in Bombay Presidency, British India
- **Early Life:** Ratan Tata was the son of Naval Tata, who was adopted by Ratanji Tata, son of Jamshedji Tata, the founder of the Tata Group. He was raised by his grandmother when his parents, Naval and Sooni Tata, divorced when he was ten years old.
- **Education:** He graduated in Architecture from Cornell University. He had also attended the Harvard Business School (HBS) Advanced Management programme in 1975.
- **Death:** 9 October, 2024 in Mumbai
- ❖ **Career and Achievements:**
 - He joined the Tata Group in 1962, starting as the shop floor manager of Tata Steel.
 - He succeeded J. R. D. Tata as the Chairman of Tata Sons upon the latter's retirement in 1991 and held that post till 2012.
 - He held the position of interim chairman from October 2016 to February 2017.
 - During his tenure, the Tata Group acquired Tetley, Jaguar Land Rover, and Corus, to transform Tata a global business company from a India-centric company.
 - He led the Tata Group to launch India's first indigenously designed passenger car, Tata Indica in 1998.
 - In 2008, he launched the Tata Nano, a low-cost car aimed at providing affordable transportation to the Indian masses.
 - He played a key role in Tata Group's acquisition of Air India from the government in January 2022.
 - During the 21 years of his leadership, revenue grew over 40 times and profit over 50 times.
 - Throughout his life, Tata invested in over 40 start-ups.



- He established Tata Teleservices in 1996 and took Tata Consultancy Services (TCS) public in 2004, capitalising on the IT boom.

- After stepping down from active leadership, Tata became a prominent investor in Indian startups, backing companies such as Paytm, Ola Electric, and Urban Company.

❖ Awards and Recognitions:

- He had won various accolades such as,
- Padma Bhushan in 2000 and Padma Vibhushan in 2008 by the Government of India.
 - Maharashtra Bhushan in 2006 for his work in the public administration in Maharashtra.
 - Honorary Doctor of Science by IIT Bombay in 2008.
 - Honorary Knight Grand Cross of the Order of the British Empire (GBE) by Queen Elizabeth II in 2014.
 - Honorary Citizen Award by Government of Singapore in 2008.
 - Assam Baibhav by Government of Assam in 2021 for his contribution towards furthering cancer care in Assam.
 - Honorary Officer of the Order of Australia by King Charles III in 2023.
 - Maharashtra Udyog Ratna by Government of Maharashtra in 2023.
 - ❖ **Social Work :** Ratan Tata believed that businesses should not only focus on profits but also give back to society.
 - Under his leadership, Tata Trusts channelled 65% of the group's profits into sectors like, education, healthcare, and rural development. He also financially supported his 80 employees and their families who were affected in the 26/11 Mumbai attacks.
 - In 2021, Tata donated Rs 500 crore to support India's fight against the Covid-19 pandemic.
 - His last major initiative was the opening of a state-of-the-art animal hospital in Mumbai, offering 24/7 emergency care, inaugurated in mid-2024.
 - A Leader with a Lasting Legacy :** Ratan Tata's life was a beacon of ethical leadership, offering valuable lessons in compassion, resilience, humility and determination. These qualities are not only essential for corporate leaders but also for civil servants tasked with serving the nation. His principles and his words inspire future generations of leaders.

“Never underestimate the power of kindness, empathy, and compassion in your interactions with others.”-Ratan Tata

Prime Minister Narendra Modi's Visit to Brunei & Singapore

Prime Minister Narendra Modi was on a 3-day visit to Brunei Darussalam and Singapore from 3-5 September, 2024.

Prime Minister's Visit to Brunei Darussalam:

At the invitation of His Majesty Sultan Haji Hassanal Bolkiah of Brunei Darussalam, Shri Narendra Modi, undertook an Official Visit to Brunei Darussalam during 3-4 September, 2024. This is the first-ever bilateral visit by an Indian Prime Minister to the country. The visit coincides with the 40th anniversary of the establishment of diplomatic ties between India and Brunei.



Key Points of visit to Brunei Darussalam:

- On 3 September, PM Narendra Modi inaugurates the new Chancery Complex of the Indian High Commission in Bandar Seri Bagawan, Brunei Darussalam. The new complex signifies a profound sense of Indianess, masterfully integrating traditional motifs and lush green plantations. On the occasion, he lit a lamp and unveiled a plaque.
- Brunei and Singapore, both members of the Association of Southeast Asian Nations (ASEAN), play crucial roles in India's 'Act East' Policy. This visit aims to enhance India's engagement with Southeast Asian countries, fostering economic, cultural and strategic ties.
- On 4 September, PM Narendra Modi held a bilateral meeting with Sultan of Brunei at Istana Nurul Iman in Bandar Seri Begawan, Brunei where the discussed on various areas including defence, connectivity, trade, energy, space, health education etc.
- Both leaders agreed to further expand bilateral trade and economic ties in areas of mutual interest, such as the Joint Trade Committee (JTC) as well as other relevant bilateral, regional, and multilateral forums.
- Both leaders called for leveraging respective strengths including in technology, finance, manufacturing and processing and to explore complementarities in a mutually beneficial manner.
- Both leaders agreed to enhance cooperation in agriculture and the food supply chain through the sharing of knowledge, best practices and experience.
- Prime Minister Narendra Modi expressed deep appreciation to Brunei Darussalam for continuing to host Indian Space Research Organisation (ISRO)'s Telemetry Tracking and Telecommand (TTC) Station.
- Both leaders recognised the important role of youth towards national development and agreed to promote greater youth exchanges between both countries.
- Both leaders agreed to strengthen cooperation at various regional and multilateral fora, such as ASEAN-India Dialogue Relations, East Asia Summit, ASEAN Regional Forum, Asia-Europe Meeting (ASEM) and United Nations (UN).
- Both leaders welcomed the upcoming commencement of direct flight connectivity between Bandar Seri Begawan and Chennai which will foster stronger people-to-people linkages and facilitate increased trade and tourism activities between the two countries.
- Both leaders reaffirmed their steadfast commitment to maintaining the peace, stability, security, prosperity and resilience of the region, and underscored the importance of adhering to the principles of the United Nations Charter and international law.
- PM Narendra Modi welcomed Brunei Darussalam's continued participation in the Voice of the Global South Summit (VOGSS), aims to bring countries of the Global South together under a common platform to share their perspectives and priorities across a whole range of issues.
- Sultan of Brunei appreciated India's initiative in establishing the International Solar Alliance (ISA), the Coalition for Disaster Resilient Infrastructure (CDRI) and Global Bio-fuel Alliance (GBA).

Honourable Prime Minister Narendra Modi also extended an invitation to Sultan of Brunei to undertake a visit to India in the near future.

After visiting Brunei Darussalam PM Narendra Modi started his second leg of visit to Singapore on 4 September, 2024

Prime Minister's Visit to Singapore:

Prime Minister Narendra Modi made an Official Visit to Singapore from 4-5 September, 2024 at the invitation of Prime Minister and Minister for Finance Lawrence Wong. This is Prime Minister Modi's fifth official visit to Singapore. Prime Minister Modi last visited Singapore in 2018.

During his visit to Singapore, he was accompanied by External Affairs Minister Dr. S. Jaishankar, NSA Ajit Doval and other senior government officials from India.

Key Points of visit to Singapore:

- Prime Minister Modi received an official welcome at the Parliament House on 5 September, 2024, called on President Tharman Shanmugaratnam and meet Prime Minister Wong. He also met Emeritus Senior Minister Goh Chok Tong.
- Prime Minister Wong congratulated Prime Minister Modi on winning a historic third term. Narendra Modi also congratulated Prime Minister Wong for assuming office as the Prime Minister of the Republic of Singapore.
- Prime Minister Narendra Modi, accompanied by Prime Minister H.E. Mr. Lawrence Wong visited AEM, a leading Singaporean company in semiconductor and electronics sector. They were briefed about AEM's role in global semiconductor value chain, its operations and plans for India.
- At the facility, the two Prime Ministers also interacted with Indian interns from Odisha's World Skill Center undergoing training in Singapore as well as Singaporean interns who had visited India under the CII-Enterprise Singapore India Ready Talent Programme and Indian engineers working at AEM.
- Prime Minister invited the Singaporean semiconductor companies to participate in SEMICON INDIA exhibition to be held in Greater Noida on 11-13 September 2024.
- Both Prime Ministers acknowledged India and Singapore's shared history, long tradition of friendship based on trust and mutual respect, and extensive cooperation across a wide range of areas, including in the areas of political, economic, security, technology, education, people to people and cultural links.

Signing of Memorandum of Understandings:

- ✓ During the second meeting of India-Singapore Ministerial Roundtable, both sides agreed to add Advance Manufacturing, with focus on semiconductors, as a pillar for enhancing bilateral cooperation. Both sides have also concluded the MoU on India-Singapore Semiconductor Ecosystem Partnership.
- ✓ Another MoU was signed between the Ministry of Electronics and Information Technology (MeitY), GoI and Ministry of Digital Development and Information, Singapore for cooperation in the field of digital technologies which include many areas such as, data flows, data protection, digital utilities, cyber security etc.
- ✓ Both Prime Ministers welcomed the signing of the MoU on cooperation in the field of Educational Cooperation and Skills Development, and to explore further collaboration in skills certification.
- ✓ The two counterparts also signed an MoU on cooperation in the field of Health and Medicine and agreed to strengthen cooperation in healthcare, medical education, research, and human resource development in both countries.
- Both Prime Ministers noted the potential to enhance cooperation in the maritime and aviation sectors between India and Singapore, including areas such as green shipping and maintenance, repair and operations (MRO).
- Both Prime Ministers commended the success of UPI-PayNow Linkage and other digital collaboration initiatives such as ONDC - Proxtera Connectivity, and Trade Trust.
- Both Prime Ministers agreed to further intensify the strong human, spiritual and cultural linkages between India and Singapore.
- Both sides also welcomed the Quad's support for ASEAN centrality, including the Quad's agenda to support priorities and needs of countries in the Indo-Pacific region, and explored synergies for mutually beneficial cooperation.

At the second day of the visit, Prime Minister Modi conveyed that India is looking forward to the visit of President Tharman Shanmugaratnam to India next year. Prime Minister Modi also invited Prime Minister Wong to visit India.



ONE NATION, ONE ELECTION

The Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, has accepted the recommendations of the High-Level Committee on Simultaneous Elections under the chairmanship of former President Shri Ram Nath Kovind and the idea of 'One Nation, One Election' (ONOE) has once again gained significant traction in India's political landscape.

About One Nation, One Election:

- Simultaneous Elections, popularly known as One Nation, One Election means holding elections to the House of the People, all the State Legislative Assemblies, and local bodies i.e., Municipalities and Panchayats, together.

History behind the proposal:

- The first few general elections of post-independence between 1951 and 1967 were held simultaneously, with the State Legislative Assembly elections.
- In India, simultaneous elections to the Lok Sabha and Vidhan Sabhas were held in the years 1951-52, 1957, 1962 and 1967.
- While the practice continued till 1967, due to the premature dissolution of some state assemblies in 1968 and 1969, the system of simultaneous elections was disrupted.
- Since 2014, Narendra Modi, who was then Chief Minister of Gujarat, has been espousing simultaneous elections stating that it will reduce wastage of public money, and will ensure the smooth flow of development work.

Members of the committee:

- Ram Nath Kovind, Former President of India (Chairman)
- Amit Shah, Union Home Minister
- Arjun Ram Meghwal, Union Law Minister
- Adhir Ranjan Chowdhury, Parliamentary leader of the Indian National Congress (the largest party in the Opposition) in Lok Sabha
- Ghulam Nabi Azad, former Leader of Opposition in Rajya Sabha
- NK Singh, Chairman of the 15th Finance Commission
- Dr Subhash C Kashyap, former Secretary General of Lok Sabha
- Harish Salve, senior advocate of the Supreme Court
- Sanjay Kothari, former Chief Vigilance Commissioner

Key highlights of High-Level Committee on Simultaneous Elections:

- Elections to be held in two phases.
 - First phase:** Conduct Lok Sabha and Assembly elections simultaneously
 - Second phase:** Conduct local body elections (Panchayats and Municipalities) within 100 days of general elections.
- Proposal of amendments to some Articles and insertion of 12 new sub-clauses in the existing articles and tweaking three laws related to Union Territories having Legislative Assemblies.
- Common electoral roll for all elections.
- Initiation of detailed discussions throughout the country.
- Constitute an implementation group.

Need for Simultaneous elections:

- According to an estimate deliberated in a parliamentary panel discussion, elections to the Lok Sabha and legislative assemblies cost the Election Commission of India more than Rs 4,500 crore.
- The cost of Lok Sabha elections in India has increased significantly, rising from Rs 10.5 crore in the first election of 1951-52 to Rs 50,000 crore in 2019.
- Staggered elections induce 'voters' fatigue' and present a significant challenge in ensuring their participation.
- Frequent elections indulged security forces and other election officials (such as teachers) disrupting from their primary duties for longer periods.
- The Model Code of Conduct (MCC) imposed during elections delays key policy decisions both at the national and local levels.

Challenges of One Nation, One Election:

- Conducting elections simultaneously to the Lok Sabha and all State assemblies would result in national issues overshadowing regional and State specific issues.
- To sync the term of the State Legislative Assemblies with that of the Lok Sabha, the term of the state Legislative Assemblies can be reduced and increased accordingly and for the same, constitutional amendment would be needed in:

Article 83: The term of the Lok Sabha

Article 85: Empowers the President to dissolve the Lok Sabha

Article 172: The term of the Legislative Assembly

Article 174: Empowers the Governor of the state to dissolve the Legislative Assembly

Article 356: Authorises the Central Government to impose President's Rule for failure of constitutional machinery in the state

The Representation of the People Act as well as related parliamentary procedure will also need to be amended.

- Simultaneous elections may create a system where National political parties would have a significant advantage over regional parties.
- Frequent elections hold lawmakers accountable, while fixed terms may provide unwarranted stability without performance scrutiny challenging democratic principles.

- Organizing ONOE would require significant resources, including a vast supply of electronic voting machines and trained personnel to oversee the process.

The proposal for 'One Nation, One Election' presents a transformative vision for India's electoral landscape, promising to enhance governance efficiency and reduce costs associated with frequent elections. While proponents emphasize the potential for streamlined administration and improved policy focus, significant concerns remain regarding the impact on federalism, local representation, and the practical challenges of implementation.

As India navigates this complex issue, it is crucial to engage in thorough discussions, consider diverse perspectives, and ensure that any reforms uphold the principles of democracy and equity in representation.

Nobel Prize 2024



The 2024 Nobel Prize announcement was held from 7-14 October, recognizing outstanding scientific, economic, literature and peace contributions. The Nobel Prize amount for 2024 is set at Swedish Kronor (SEK) 11.0 million per full Nobel Prize.

Category	Winner	Contribution
Nobel Prize in Physiology or Medicine	Victor Ambros and Gary Ruvkun	For discovery of micro RNA and its pivotal role in post-transcriptional gene regulation
Nobel Prize in Physics	John J. Hopfield and Geoffrey E. Hinton	For foundational discoveries and inventions that enable machine learning within artificial neural networks
Nobel Prize in Chemistry	David Baker Demis Hassabis and John Jumper	For computational protein design For AI-based protein structure prediction
Nobel Prize in Literature	Han Kang	For her intense poetic prose that confronts historical traumas and exposes the fragility of human life
Nobel Prize in Peace	Nihon Hidankyo	For its efforts to achieve a world free of nuclear weapons and for demonstrating through witness testimony that nuclear weapons must never be used again
Nobel Prize in Economic Sciences	Daron Acemoglu, Simon Johnson and James A. Robinson	For studies of how institutions are formed and affect prosperity

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Jhargram	Mukul Maity	8972650591	Bethuadahari	Asit Dutta	9474793354
Suri	Ashis Surkal	8617019354	Baharampur	Mondal Book Stall	8670754650
Hedia (Purba Medinipur)	Chakrodhar Bera	9733559609	Baharampur	Mazumdar Book Stall	9434190391
Kakdwip	Tapan Roy	9679346098	Bhagwangola	G. C. Poddar	9932836616
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Digha	Madha Khali	9547906020	Kaliyachak	Gopal Ch. Das	9733012757
Malda	Amit Das	7864995515	Kandhi	Sujit Sinha	8167871010
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Maynaguri	Debasish Basubhat	8617326738	Balurghat	Sujan Das	8670582892
Cooch Behar	Joyanta Das	6295521626	Raiganj	Ranjit Kumar Pal	7550871883
			Siliguri	Anil Biswas	9641480911

US ELECTION 2024

Presidential elections were held in the United States on 5 November, 2024. The election was a contest between two influential figures: Vice President Kamala Harris and former President Donald Trump. Donald Trump of the Republican Party swept out Kamala Harris of the Democratic Party by a close margin of votes. Trump won both the Electoral College and the popular vote and he became only the second Republican to win the popular vote since 1988.



Maine and Nebraska) Candidate who wins the majority of votes in a state wins all of that state's electoral votes.

Proportional System: Maine and Nebraska allocate their electoral votes based on the vote proportion each candidate gets.

United States Presidential Election Process:

- **Qualification of the candidate:**
 - ✓ Should be a natural-born citizen of the United States
 - ✓ Should be at least 35 years old
 - ✓ Should have been a resident of the United States for 14 years
- **Process of Election:** The election of the President and for Vice President of the United States is an indirect election. The election is held in every four years. They are formally elected through an electoral college. Members (Electors) of this electoral college are chosen through the popular vote in each state.
- **General Election:** In this election, voters who are registered to vote (in one of the fifty US states or in Washington, D.C.) cast their ballots for President, effectively choosing electors who will represent their state in the Electoral College.
 - ✓ **Date of General Election:** The general election is held on the first Tuesday of November. This practice was dated back to 1845.
- **Electoral College:** The Electoral College is the body that officially elects the President and Vice President. It consists of 538 electors, with each state allocated electors based on its congressional representation, corresponding to the 435 Representatives and 100 Senators, plus the 3 additional electors from the District of Columbia. US territories are not represented in the Electoral College and therefore US citizens in those areas do not vote in the general election for President.
 - ✓ **Date of Electoral College Voting:** In December, the electors meet in their respective state capitals to cast their official votes.

Winner-Takes-All System: In most states (except

The candidate who receives an absolute majority of electoral votes (at least 270 out of 538) is then elected to that office. If no candidate receives an absolute majority of the votes for President, the House of Representatives elects the President. In the same process, if no one receives an absolute majority of the votes for Vice President, then the Senate elects the Vice President.

- **Congressional Count:** In January, Congress counts these votes in a joint session, and the President-elect is formally declared, marking the official start of their term in office.

2024 United States Election Result:

In the 2024 US Election, Donald Trump, garnered 312 electoral votes with a popular vote count of 76,977,400, which accounted for almost 50% of the total votes. Kamala Harris, from the Democratic Party, received 226 electoral votes and 74,477,113 popular votes, or 48.3% of the total. The election result has reshaped the American political landscape.

Newly elected **President** will be **Donald Trump** and **Vice President** will be **JD Vance**.

- **About Donald Trump:**
 - ✓ Donald Trump will be the 47th President of the United States.
 - ✓ He will make history as only the second US President to serve non-consecutive terms, joining Grover Cleveland, who served as the 22nd and 24th President of the United States.
 - ✓ He also became the first President in 120 years to return to power after being voted out post-first term.
 - ✓ Previously he served as the 45th President of the United States from 2017-2021.
 - ✓ **Predecessor:** Joe Biden

ASEAN-INDIA SUMMIT 2024

The 21st ASEAN-India Summit was held in Vientiane, Lao PDR, on 10 October, 2024. During his visit to Laos, Prime Minister Narendra Modi attended the 21st Association of Southeast Asian Nations (ASEAN)-India Summit, hosted by Laos. This was Prime Minister's 11th participation in the Summit. This year also marked 10 years of India's Act East Policy that was announced in 2014 to strengthen India-ASEAN ties in trade, security, and connectivity in the Indo-Pacific.

In his address, Prime Minister focuses on the following points:

- He reiterated India's support for ASEAN Unity, ASEAN Centrality and ASEAN Outlook on the Indo-Pacific.
- He also emphasized that the 21st century is the 'Asian Century' and stressed the importance of India-ASEAN relations in shaping Asia's future.
- He emphasized the doubling of India-ASEAN trade to over USD 130 billion, direct flight connectivity with seven ASEAN nations, collaboration in fintech and the restoration of shared cultural heritage.
- PM Modi also called for a timely review of the ASEAN-India Free Trade Agreement (AITIGA) to unlock further economic potential.
- PM also spoke about the progress in India-ASEAN knowledge partnership through the scholarships provided to ASEAN youth at the Nalanda University.

Key points of the summit:

- India and ASEAN agreed to collaborate on AI, Blockchain, Internet of Things (IoT), Robotics, Quantum Computing and 6-G technology.
- Both agreed to ensure maritime security, counter-terrorism, cybersecurity etc. through joint military exercises and naval port calls.
- Leaders agreed to develop a new ASEAN-India Plan



of Action (2026-2030) to further their partnership. Two joint statements were adopted:

- ✓ Strengthening ASEAN-India Comprehensive Strategic Partnership for Peace, Stability, and Prosperity in the Indo-Pacific.
- ✓ Advancing Digital Transformation, recognizing India's contribution to digital public

infrastructure.

- In keeping with the Chair's theme of "Enhancing Connectivity and Resilience", PM announced a 10-point plan which includes:
 - ✓ Celebrating year 2025 as ASEAN-India Year of Tourism with USD 5 million for joint activities.
 - ✓ Marking a decade of the Act East Policy with initiatives like Youth Summits, Start-up Festivals, ASEAN-India Network of Think Tanks and Delhi Dialogue.
 - ✓ Organizing the ASEAN-India Women Scientists Conclave.
 - ✓ Doubling scholarships at Nalanda University and offering new scholarships in agricultural universities.
 - ✓ Reviewing the ASEAN-India Trade in Goods Agreement (AITIGA) by 2025.
 - ✓ India will provide USD 5 million to enhance disaster resilience.
 - ✓ Regular interactions between ASEAN and Indian Health Ministers to build health resilience.
 - ✓ Establishing an ASEAN-India Cyber Policy Dialogue.
 - ✓ Hosting a workshop on Green Hydrogen.
 - ✓ Launching the 'Plant a Tree for Mother' campaign to promote climate resilience.

Both the Prime Ministers thanked each other for cooperation in various fields. Prime Minister Modi expressed eagerness to work with the Philippines, the new Country Coordinator for India.

President Droupadi Murmu's 3-Nation Visit to Fiji, New Zealand and Timor-Leste



President of India, Droupadi Murmu, was on a 3-nation visit to Fiji, New Zealand and Timor-Leste from 5-10 August, 2024.

President's Visit to Fiji:

Smt. Droupadi Murmu had the first leg of her State Visit to Fiji from 5-6 August at the invitation of Fiji's President, Ratu Wiliame Maivalli Katonivere. This visit

represents a historic milestone as the first-ever visit by an Indian Head of State to Fiji, underscoring the growing importance of India's relations with Pacific nations. President Murmu is accompanied on this visit by Minister of State, Ministry of Fisheries, Animal Husbandry and Dairying, Shri George Kurian, and Lok Sabha MPs Shri Saumitra Khan and Shri Jugal Kishore.

Key Points of visit to Fiji:

- ◆ During Droupadi Murmu's visit to Fiji she was conferred the highest civilian award of Fiji, Companion of the Order of Fiji. The award was presented by Fiji President Katonivere during the bilateral meeting with his counterpart at the State House in Suva, Fiji.
- ◆ President Murmu also witnessed the progress of the 'Solarisation of Heads of State Residences' project, an Indian initiative which was inaugurated in February, 2023.
- ◆ The two leaders discussed ways to further deepen the India-Fiji relationship. President murmu reaffirmed India's commitment to strengthening our relations and development partnership with the Pacific Island Countries (PICs), among which Fiji is an important partner.
- ◆ President Droupadi Murmu and Prime Minister Sitiveni Rabuka also presided over a ceremony for handing over of documents for allocation of project sites for (i) High Commission of India Chancery and Indian Cultural Centre Complex, Suva and (ii) 100-bed Super Speciality Hospital, Suva.
- ◆ The President also visited the National War Memorial in Suva to honour the memory of martyred soldiers. She also visited Mahatma Gandhi Memorial High School, where she paid floral tributes at the bust of Mahatma Gandhi.

- ◆ The President also addressed an enthusiastic gathering of the Indian diaspora community. She said that the determination and resilience of the 'Girmitiya' indentured labourers who came to Fiji 145 years ago, and flourished in their new motherland against all odds, is a source of great inspiration to the world.

After the successful completion of official engagements in Suva, the President left for Nadi from where she would emplane for Auckland, New Zealand.

President's Visit to New Zealand:

Smt. Droupadi Murmu had second leg of her State Visit to New Zealand from 7-9 August, 2024 at the invitation of Governor General Cindy Kiro. She was welcomed at the Government House with a traditional Maori 'Pōwhiri' ceremony and accorded Royal Guard of Honour.

Key Points of visit to New Zealand:

- ◆ During the meeting, both leaders discussed cooperation across various sectors. They agreed on the need to continue efforts to widen the scope of India-New Zealand economic relationship by establishing mutually beneficial collaborations and partnerships, especially through trade and businesses.
- ◆ In the next engagement, the President addressed the New Zealand International Education Conference, where India is the 'Country of Honour' this year.
- ◆ Smt. Murmu elaborated on the rich Indian tradition of pursuit of knowledge and the contemporary progress in the field of education, including the National Education Policy aimed at transforming the Indian education landscape by promoting multidisciplinary learning, critical thinking and global competitiveness.
- ◆ She also added that New Zealand is renowned for its high-quality education with focus on research and innovation, inclusivity and excellence. Many Indian students are gaining access to quality education at various institutions in New Zealand.
- ◆ The President encouraged more educational exchanges and collaboration between our institutions, particularly in the fields of Artificial Intelligence and Machine Learning, vocational and skills-based training, climate and environment studies, cultural exchange programs, research and innovation.

- ◆ President Droupadi Murmu held bilateral talks with Prime Minister Christopher Luxon and Deputy Prime Minister and Foreign Affairs Minister Winston Peters at Government House in Wellington on 8 August. Discussions were held on wide range issues including customs co-operation, traditional medicine and renewable energy.
- ◆ India and New Zealand signed the bilateral customs co-operation arrangement agreement in Wellington to ease trade between the two countries.
- ◆ President Droupadi Murmu also addressed the New Zealand International Conference held in Wellington, where India was the 'Country Honour' for 2024.
- ◆ Earlier, Deputy Prime Minister and Foreign Minister Winston Peters of New Zealand also called on President Droupadi Murmu. Both leaders acknowledged the progress in bilateral relations and deliberated upon ways of enhancing cooperation.
- ◆ The President also paid floral tributes at the statue of Mahatma Gandhi at Wellington Railway Station and laid a wreath to pay tribute to martyred soldiers at the Pukeahu National War Memorial in Wellington. Governor General Dame Cindy Kiro joined the President on both occasions.
- ◆ On 9 August, President Droupadi Murmu announced the opening of a Consulate in Auckland, New Zealand during a reception hosted by the High Commission in India in Auckland. The new consulate will strengthen diplomatic ties with New Zealand and facilitate the diaspora.
- ◆ Addressing the enthusiastic gathering of Indian community members who had travelled to Auckland for the occasion from all parts of New Zealand, the President appreciated them for playing an important role in the development and prosperity of New Zealand. From business to education, healthcare to technology, their contribution is invaluable.
- ◆ On the concluding day of her visit to New Zealand, the President of India, Smt. Droupadi Murmu addressed the members of Indian Community in Auckland, at a Reception hosted by the High Commission of India.

The exceptionally warm and cordial interactions between the two leaders during the State Visit brought out a special connection and affinity between them. Governor General Dame Cindy Kiro is the first woman of Maori origin to hold the post, while President Murmu is the first woman President of India from a tribal community.

President's Visit to Timor-Leste:

Smt. Droupadi Murmu had final leg of her State Visit to Timor-Leste from 10-12 August, 2024. This is the first-ever visit by an Indian Head of State to Timor-Leste, a South East Asian Nation. In a special gesture, President Droupadi Murmu was warmly received by President José Ramos-Horta of Timor-Leste at the airport.

Key Points of visit to Timor-Leste:

- ◆ At the Government Palace President Murmu and her counterpart President Horta discussed opportunities for enhancing the bilateral cooperation between India and Timor-Leste. She said discussed about the ample opportunities to strengthen bilateral cooperation in the areas like IT, fintech, healthcare, agriculture, and capacity building.
- ◆ President Horta conferred the Grand-Collar of the Order of Timor-Leste, the country's highest civilian award, upon President Droupadi Murmu. The award is in recognition of her achievements in public service and dedication to education, social welfare and empowerment of women.
- ◆ Prime Minister Kay Rala Xanana Gusmão of Timor-Leste and President Murmu held talks on wide-ranging issues such as defence and security cooperation, connectivity, trade, and tourism, among others.
- ◆ President Droupadi Murmu participated as special guest in the popular programme 'Horta Show', hosted by President José Ramos-Horta on Timor-Leste Radio & Television (RTTL). She spoke eloquently about initiatives taken by the Government of India to empower marginalised communities, and her vision for women empowerment.
- ◆ The President graced the Indian community reception hosted by the Ambassador of India to Timor-Leste.
- ◆ In the last official engagement of the day, President José Ramos-Horta hosted a banquet in honour of President Murmu at Palacio Nobre De Lohane.

In her remarks on the occasion, the President said about India's commitment to foster stronger ties with Timor-Leste is reflected in our shared goals of promoting peace, stability, and prosperity.

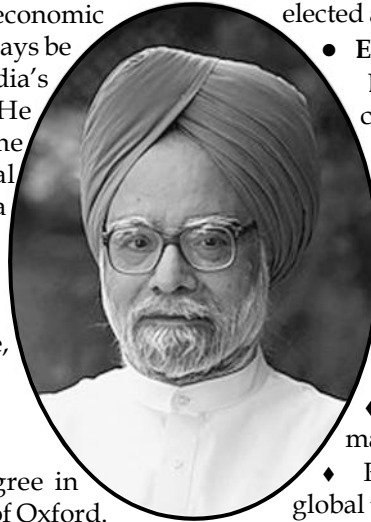
This tri-nation tour is seen as a strong reflection of India's Act East Policy, first announced by Prime Minister Narendra Modi a decade ago at the 9th East Asia Summit. The visits are expected to strengthen India's diplomatic and economic ties in the region, emphasizing the country's commitment to fostering relationships with Pacific and Southeast Asian nations.

MANMOHAN SINGH- THE ARCHITECT OF INDIA'S ECONOMIC REFORM

Former Indian Prime Minister Manmohan Singh passed away at the age of 92. A towering figure in Indian politics and key architect of India's economic reforms Dr. Manmohan Singh will always be remembered for his contributions in India's political and economic landscape. He was the fourth longest-serving Prime Minister (2004-2014) after Jawaharlal Nehru, Indira Gandhi and Narendra Modi.

About Manmohan Singh:

- **Born:** 26 September, 1932
- **Birth Place:** Gah, Punjab Province, British India
- **Died:** 26 December, 2024
- **Education and Profession:**
 - ◆ He obtained the doctorate degree in Economics from the University of Oxford.
 - ◆ He was a senior lecturer of Economics at Panjab University (1957-1959). Between 1963 and 1965, he was an Economics professor at Panjab University.
 - ◆ He worked at the United Nations Conference on Trade and Development from 1966-1969.
 - ◆ He also served as a professor of international trade at the University of Delhi from 1969-1971.
- **Political Career:**
 - ◆ He began his bureaucratic career in 1971 as an Economic Advisor in the Ministry of Commerce and Industry.
 - ◆ In 1976, he became the Secretary in the Ministry of Finance, Government of India.
 - ◆ He served as the 15th Governor of the Reserve Bank from 1982-1985 under then Finance Minister Pranab Mukherjee.
 - ◆ He was the Deputy Chairman of the Planning Commission from 1985-1987.
 - ◆ He also held the post of Chairman of the University Grants Commission.
 - ◆ He served as the Finance Minister during the P. V. Narasimha Rao Government in 1991.
 - ◆ He served as the Leader of Opposition in Rajya Sabha from 1998-2004.
 - ◆ He became the 13th Prime Minister of India in 2004, leading the Congress-led United Progressive Alliance (UPA) with allies.



- ◆ He was the first Sikh Prime Minister of India and also the first Prime Minister since Nehru to be re-elected after completing a full five-year term.

● Economic Reforms:

Dr. Manmohan Singh's most significant contribution to India's progress was the economic reforms of 1991, while serving as the Finance Minister under Prime Minister P. V. Narasimha Rao. He played a central role in navigating India through a severe balance of payments crisis when India was on the brink of economic default. Some of his key reforms included:

- ◆ Devaluation of the Indian Rupee to make exports competitive.
- ◆ Removal of trade barriers to encourage global trade.
- ◆ Promotion of Foreign Direct Investment to attract global capital.
- ◆ Abolishing of the License Raj, which was the source of slow economic growth and corruption in the Indian economy for decades.

He with his Finance Minister, P. Chidambaram, presided over a period where the Indian economy grew with an 8-9% economic growth rate. In 2007, India achieved its highest GDP growth rate of 9% and became the second fastest growing major economy in the world.

● Important Schemes and Polices during his tenure:

- ◆ **NREGA 2005:** His government launched the flagship program National Rural Employment Guarantee Act 2005 to address rural poverty and unemployment by guaranteeing 100 days of wage employment annually to rural households.
- ◆ **RTI Act 2005:** The Right to Information Act 2005 gave citizens the legal right to access information about government functioning to reduce corruption.
- ◆ **Rural and Urban Development:** During his tenure, the government launched Pradhan Mantri Gram Sadak Yojana to improve rural roads and affordable rural housing.
- ◆ **Right to Education Act 2009:** The enactment of this act made education a fundamental right for children between 6 to 14 years of age.
- ◆ **Financial Inclusion Programs:** Pradhan Mantri

Jan Dhan Yojana was launched in 2014, for providing bank accounts, debit cards and insurance coverage to the underbanked population in India.

● **Awards and Honours:**

- ◆ Honoured with India's second-highest civilian honour Padma Vibhushan in 1987.
- ◆ Received the Indira Gandhi Prize for Peace, Disarmament and Development in 2009 for his leadership and economic policies in transforming India.

- ◆ Included in the list of Asia's Most Influential 100 by Time Magazine in 2010 for his extraordinary influence in shaping global economic policies.
- ◆ Honoured with Finance Minister of the Year by Asia Money in 1993 and 1994.

Dr. Manmohan Singh is known not only for his vision to led India become an economic powerhouse but also for his hard-work and humble, soft-spoken demeanor. He is a Prime Minister who will be remembered not only for the leaps and bounds by which he took India forward but also as a man of thought and of integrity.

PM Narendra Modi's Kuwait visit

At the invitation of the Amir of the State of Kuwait, Sheikh Meshal Al-Ahmad Al-Jaber Al-Sabah, Prime Minister of India, Narendra Modi paid an official visit to Kuwait on 21 and 22 December, 2024. This was his first visit to Kuwait and also the first visit by an Indian Prime Minister to the nation in ever four decades. Prime Minister Narendra



Modi attended the opening ceremony of the 26th Arabian Gulf Cup in Kuwait on 21 December, 2024 as the 'Guest of Honour' of the Amir of the State of Kuwait.

Key Highlights of the visit:

- PM Narendra Modi was conferred with the highest award of the State of Kuwait 'The Order of Mubarak Al Kabeer'.
- The leaders exchanged views on bilateral, global, regional and multilateral issues of mutual interest.
- The two leaders agreed to elevate the relations between India and Kuwait to a 'Strategic Partnership'. In light of the newly established strategic partnership, the two sides reaffirmed their commitment to further strengthen bilateral relations in key areas, including political, trade, investment, defence, security, energy, culture, education, technology and people-to-people ties.
- The two sides welcomed the recent establishment of a Joint Commission on Cooperation (JCC) between India and Kuwait to review the areas of trade, investments, education and skill development, science and technology, security and counter-terrorism, agriculture, and culture, in addition to the existing JWG's on Health, Manpower and Hydrocarbons, and monitor the entire spectrum of the bilateral relations between the two countries. It will be headed by the Foreign Ministers of both countries.
- To further expand our bilateral cooperation across

various fields, new Joint Working Groups (JWG's) have been set up in areas of trade, investments, education and skill development, science and technology, security and counter-terrorism, agriculture, and culture, in addition to the existing JWG's on Health, Manpower and Hydrocarbons. Both sides emphasized

on convening the meetings of the JCC and the JWG's under it at an early date.

- The Kuwaiti side expressed interest to explore investment opportunities in different sectors, including technology, tourism, healthcare, food-security, logistics and others.
- Both sides discussed ways to enhance their bilateral partnership in the energy sector. The two sides expressed keenness to support companies of the two countries to increase cooperation in the fields of exploration and production of oil and gas, refining, engineering services, petrochemical industries, new and renewable energy. Both sides also agreed to discuss participation by Kuwait in India's Strategic Petroleum Reserve Programme.
- The Kuwaiti side expressed interest in cooperation with India to ensure its food-security.
- The Indian side welcomed Kuwait's decision to become a member of the International Solar Alliance (ISA). Both sides agreed to work closely towards increasing the deployment of solar energy across the globe within ISA.

Prime Minister Narendra Modi invited His Highness the Amir of the State of Kuwait, Sheikh Meshal Al-Ahmad Al-Jaber Al-Sabah, Crown Prince His Highness Sheikh Sabah Al-Khaled Al-Sabah Al-Hamad Al-Mubarak Al-Sabah, and His Highness Sheikh Ahmad Abdullah Al-Ahmad Al-Jaber Al-Mubarak Al-Sabah, Prime Minister of the State of Kuwait to visit India.

Awards and Honours

-: January :-

Filmfare Awards 2024

Award	Awardee/ Film
Best Film	12th Fail
Best Director	Vidhu Vinod Chopra (12th Fail)
Best Actor	Ranbir Kapoor (Animal)
Best Actress	Alia Bhatt (Rocky Aur Rani Kii Prem Kahaani)
Best Actor (Critics)	Vikrant Massey (12th Fail)
Best Actress (Critics)	Rani Mukerji (Mrs. Chatterjee vs Norway)
Best Music Director	Pritam (Rocky Aur Rani Kii Prem Kahaani)
Best Lyricist	Amitabh Bhattacharya ("Tum Kya Mile" from Rocky Aur Rani Kii Prem Kahaani)
Best Male Playback Singer	Arijit Singh ("Kesariya" from Brahmâstra: Part One – Shiva)
Best Female Playback Singer	Shreya Ghoshal ("Tere Vaaste" from Rocky Aur Rani Kii Prem Kahaani)
Best Cinematography	Anil Mehta (Rocky Aur Rani Kii Prem Kahaani)
Best Editing	Nitin Baid (12th Fail)
Best Production Design	Subrata Chakraborty and Amit Ray (Rocky Aur Rani Kii Prem Kahaani)
Best Costume Design	Manish Malhotra (Rocky Aur Rani Kii Prem Kahaani)
Best Sound Design	Anish John (Animal)
Best VFX	Red Chillies VFX (Jawan)
Best Choreography	Ganesh Acharya ("Kisi Ka Bhai Kisi Ki Jaan" from Kisi Ka Bhai Kisi Ki Jaan)
Best Action	Anbariv (KGF: Chapter 2)
Best Special Effects	Red Chillies VFX (Jawan)
Best Background Score	Pritam (Rocky Aur Rani Kii Prem Kahaani)
Best Dialogue	Sumit Arora (Rocky Aur Rani Kii Prem Kahaani)



Best Screenplay	Shashank Khaitan (Rocky Aur Rani Kii Prem Kahaani)
Best Story	Shashank Khaitan (Rocky Aur Rani Kii Prem Kahaani)

Golden Globe Awards 2024

Category	Winner
Best Director	Christopher Nolan (Oppenheimer)
Best Motion Picture - Drama	Oppenheimer
Best Actor in a Motion Picture - Drama	Cillian Murphy (Oppenheimer)
Best Supporting Actor in a Motion Picture	Robert Downey Jr. (Oppenheimer)
Best Actress in a Motion Picture - Musical/Comedy	Emma Stone (Poor Things)
Best Motion Picture - Musical/Comedy	Poor Things
Best Screenplay	Justine Triet & Arthur Harari (Anatomy of a Fall)
Best Animated Film	The Boy and the Heron

NTPC Limited Certified as Top Employer 2024

Award	Details
Award Title	Top Employer 2024
Awarding Body	Top Employers Institute
Recognized Entity	NTPC Limited
Certification	Certified as a Top Employer in India for 2024

EIL Conferred with SCOPE Eminence Award

Award	Awardee
SCOPE Eminence Award	Engineers India Limited

-: February :-

Award	Awardee
Wildlife Photographer of the Year People's Choice Award	Nima Sarikhani (for the photograph "Ice Bed")
Shankar Smriti Award	Priest Ishwari Prasad Namboodiri
Golden Visa	Anand Kumar

Lakshminarayana International Award	Pyarelal Sharma
K.P.P. Nambiar Award	S. Somanath, ISRO Chairman
Jeevan Raksha Padak	Sh. Shashikant Kumar, RPSF Constable
Underwater Photographer of the Year 2024	Alex Dawson
Romain Rolland Book Prize 2024	Pankaj Kumar Chatterjee

-: March :-

Oscar Award

Award	Winner
Best Picture	<i>Oppenheimer</i>
Best Director	Christopher Nolan (<i>Oppenheimer</i>)
Best Actor	Cillian Murphy (<i>Oppenheimer</i>)
Best Actress	Emma Stone (<i>Poor Things</i>)
Best Supporting Actor	Robert Downey Jr. (<i>Oppenheimer</i>)
Best Supporting Actress	Da'Vine Joy Randolph (<i>The Holdovers</i>)
Best Original Screenplay	Justine Triet and Arthur Harari (<i>Anatomy of a Fall</i>)
Best Adapted Screenplay	Cord Jefferson (<i>American Fiction</i>)
Best Film Editing	Jennifer Lame (<i>Oppenheimer</i>)
Best Cinematography	Hoyte van Hoytema (<i>Oppenheimer</i>)
Best Original Song	"What Was I Made For?" from <i>Barbie</i> - Billie Eilish and Finneas O'Connell
Best Animated Short Film	<i>War Is Over! Inspired by the Music of John & Yoko</i> - Dave Mullins and Brad Booker
Best Documentary Short Film	<i>The Last Repair Shop</i> - Ben Proudfoot and Kris Bowers
Best Documentary Feature Film	<i>20 Days in Mariupol</i> - Mstyslav Chernov, Michelle Mizner, and Raney Aronson-Rath
Best Animated Feature Film	<i>The Boy and the Heron</i> - Hayao Miyazaki and Toshio Suzuki
Best International Feature Film	<i>The Zone of Interest</i> (United Kingdom)



-: April :-

World's Most Admired Wine Brand

Award	Awardee
World's Most Admired Wine Brand	Familia Torres (Spain)
SKOCH ESG Award 2024	REC Limited
CIDC Vishwakarma Awards 2024	SJVN Limited
Best Scientific Poster Award 2024	Dr. Agarwal's Eye Hospital
American President's Gold Volunteer Service Award 2024	Jain Acharya Lokesh Muni
Aryabhatta Award	Pavuluri Subba Rao
Lata Deenanath Mangeshkar Award	Randeep Hooda
2024 Cambridge Dedicated Teacher Award (Regional Winner for MENA)	Gina Justus
INMA Global Media Awards	Sana
Honorary Doctorate	K.V. Kamath, Chairman of NaBFID and Jio Financial Services Ltd.

-: May :-

Award	Awardee
Whitley Gold Award 2024 ("Green Oscar")	Dr. Purnima Devi Barman
Oxford Bookstore Book Cover Prize 2024	Bhavi Mehta
Global Pride of Sindhi Award 2024	Pawan Sindhi
PSU Samarpan Award 2024	Cmde Hemant Khatri
Global Excellence Award 2024	Chandrakant Satija
Sahitya Akademi Fellowship	Ruskin Bond

-: June :-

Award	Awardee
Hindi Sahitya Bharati Award	Krishna Prakash

GudleppaHallikeri Award 2024	SiddhalingaPattanashetti
Best Actress at New York Indian Film Festival 2024	Sanya Malhotra
Dilip Bose Lifetime Achievement Award	Nar Singh, Rohini Lokhande
UN WSIS+20 Champion Award for Disaster Resilience	Centre for Development of Telematics (C-DOT)
EY World Entrepreneur of the Year 2024	Vellayan Subbiah
Land Hero by UNCCD	Siddhesh Sakore
Risk Manager of the Year Award 2024	Reserve Bank of India (RBI)
Nelson Mandela Lifetime Achievement Award	Vinod Ganatra
Liv Ullmann Peace Prize	Vinod Ganatra
Dadasheb Phalke Lifetime Achievement Award	Vinod Ganatra
Pen Pinter Prize 2024	Arundhati Roy

-: July :-

PEN Pinter Prize-2024

Renowned Indian author Arundhati Roy has won the prestigious PEN (Poet, Playwright, Editors Essayist, Novelist) Pinter Prize 2024 for her courageous and unswerving writing.

Important facts:

About Pen Pinter Prize:

- The Pen Pinter Prize was established in 2009 by a founding centre of a global literary network for human rights, English PEN.
- The prize aims to recognize 'Writers of Courage'.
- The prize is given in memory of Nobel-Laureate playwright Harold Pinter.
- First winner: English poet and playwright Tony Harrison
- 2023 winner: British Children Author, Poet and political columnist Michael Rosen

About Arundhati Roy:

- Arundhati Roy won the Booker Prize for Fiction for her novel **The God of Small Things** (1997).

- In 2006, she was awarded the Sahitya Akademi Award for her collection of essays on contemporary issues, *The Algebra of Infinite Justice*.

Commonwealth Short Story Prize-2024

Sanjana Thakur, an Indian writer from Mumbai has won the Commonwealth Short Story Prize 2024 (Asian region and Overall) for her story 'Aishwarya Rai', a reverse adoption story.

Important facts:

About Commonwealth Short Story Prize:

The Commonwealth Short Story Prize is given by the Commonwealth Foundation and was established in 2012.

- The prize is awarded annually for the best piece of unpublished short fiction (2,000 to 5,000 words).
- First winner: Anushka Jasraj (Asian region) for 'Radio Story' and Emma Martin from New Zealand (Overall) for 'Two Girls in a Boat'.
- 2023 winner: Agnes Chew (Asian region) 'Oceans Away from My Homeland' and Kwame McPherson from Jamaica 'Ocoee'.

12th Vishwa Hindi Samman

Dr. Usha Thakur has been honoured with the 12th Vishwa Hindi Samman in a ceremony of linguistic and cultural ties between India and Nepal for her contributions to Hindi literature and her efforts in strengthening the bonds between Hindi and Nepali languages.

About Vishwa Hindi Samman:

- The award celebrates the Modern Standard Hindi register of the Hindustani language.
- It was instituted in the year 1975.
- The award is given once in 3 years.

Roshni Nadar Malhotra receives France's highest civilian honour

Chairperson of Indian IT services firm HCL Technologies Limited (HCLTech), Roshni Nadar Malhotra has been conferred with the highest civilian award of France 'Chevalier de la Légion d'Honneur' (Knight of the Legion of Honour) for her contribution to the business and her efforts to strengthen economic ties between France and India.

About Chevalier de la Légion d'Honneur:

- The award was established in 1802 by Napoleon Bonaparte.
- The award recognizes outstanding service to France, regardless of recipient's nationality.

About Roshni Nadar Malhotra:

- Roshni Nadar Malhotra is the first woman to lead a

listed IT company in India.

- She established **The Habitats Trust** in 2018 to protect India's natural habitats and indigenous species

Locarno Film Festival Career Award

Indian superstar and global icon Shah Rukh Khan will be awarded with Locarno Film Festival's career achievement award, which is the prestigious Pardo alla Carriera. The 77th edition of the award will celebrate the Bollywood superstar's 'remarkable career' in Indian cinema.

National Literary Award-2024

Noted Tamil writer Sivashankari, has been selected for the Dr. C Narayana Reddy National Literary Award-2024, recognizing her significant contributions to literature and her role in shaping contemporary Indian literature. The prize includes Rs. 5 lakh, a memento, and a shawl. The award has been presented on 29 July, during Dr. C. Narayana Reddy's 93rd birth anniversary celebrations in Hyderabad. Sivashankari's significant work includes 36 novels, 48 mini-novels, 150 stories.

Dr. Arpit Chopra honoured with Prestigious Excellence

Dr. Arpit Chopra, a distinguished homoeopathic practitioner, has been honoured with the prestigious Excellence Award at the NDTV MSMES (Micro, Small and Medium Enterprises) Summit held in Bhopal, Madhya Pradesh for his significant advancements in the realm of homeopathic medicine, marking a remarkable achievement in the healthcare sector.

Key aspects of Dr. Chopra's work:

- Treatment of complex and chronic diseases using homeopathic methods.
- Research and Innovation to the advancement of homeopathic practices.
- Public campaigns and awareness programs.
- Education and training to new generations of homeopathic practitioners.

PM Modi to be ceremoniously honoured with Russia's prestigious Civilian Honour

Hon'ble Prime Minister Narendra Modi will be ceremoniously presented with the Order of St Andrew the Apostle the First-Called, which was bestowed on him in the year 2019 at St Catherine's Hall of the Moscow Kremlin. The order was presented to him for his distinguished contribution to the development of a privileged strategic partnership between Russia and India and friendly ties between the two countries.

About Order of St Andrew the Apostle the First-Called:

- Russia's highest civilian honour.
- Established in 1698.
- The award includes a badge featuring a cross of St. Andrew, a star, and a blue sash.

Hans von Hentig Award

Tamil Nadu's distinguished academician, retired Professor K. Chokkalingam, has been selected for the esteemed Hans von Hentig Award for his contributions to the field of victimology. This honour highlights the global impact of Indian scholarship in the study of crime victims and their experiences within the criminal justice system.

About Hans von Hentig Award:

- The award is named after the renowned German criminologist Hans von Hentig, who made significant contributions to the field of victimology in the mid-20th century.
- The award is instituted by the World Society of Victimology.
- The prize highlights the study of victim science and experiences in the criminal justice system.
- It is ordinarily presented every 3 years to a person.

About K. Chokkalingam:

- Mr. Chokkalingam was the founding member and head of the department of criminology of the University of Madras.
- He has contributed to policy discussions on victims' rights at both national and international levels.

International Sand Sculpture Championship

Renowned Indian sand artist Sudarsan Pattnaik won the Golden Sand Master Award and a gold medal at the International Sand Sculpture Championship in St. Petersburg, Russia, held from 4-12 July, 2024. The world's 21 master sculptors participated in the event. His winning sculpture was a 12-foot-high depiction of Mahaprabhu Jagannath's chariot, accompanied by his devotee Balaram Das, highlighting significant historical and cultural themes.

About Sudarsan Pattnaik:

- He was awarded Padma Shri by Government of India in 2014 for his contribution in Sand Arts.
- He won the People's Choice Award at the Sand Sculpting World Cup 2014.
- He is the first Indian to win the Italian Sand Art Award 2019.

Global CSR ESG Award 2024

Sobha Group's CSR wing, Sri Kurumba Educational and Charitable Trust, has been honoured with the 'Best

Child and Women Development Initiatives of the Year 2024', at the Hyatt Regency, Gurgaon. Mr. Nagarajan S, Vice President of Projects at Sobha Limited, received this award on behalf of the organisation. This recognition highlights the pathbreaking initiatives of Sri Kurumba Educational and Charitable Trust's initiatives in empowering children and women through world-class education and community development programs.

About:

- The award is designed to honour social and visionary leaders, organisations and individuals involved in acts of humanity or social welfare that bring positive change or impact to society.
- This is an initiative by Brand Honchos corporate media house.

Gandhi Mandela Award 2020

Nobel Peace Prize laureate Rigoberta Menchú Tum has been conferred the Gandhi Mandela Award 2020 for lifelong commitment to advocating for Indigenous rights. The award was given on Nelson Mandela's 106th birth anniversary on 18 July, 2024.

About Gandhi Mandela Award:

- The award was established by the Gandhi Mandela Foundation.
- The award is given for promoting Gandhian and Nelson Mandela's values, of community service and social development.

About Rigoberta Menchú Tum :

- In 1979, she joined the Committee of the Peasant Union (CUC), where she advocated for farm workers' rights and educated the Indian peasant population on their rights.
- She won Nobel Peace Prize in 1992 and the Princess of Asturias Award in 1998.

Ram Charan to be honoured at IFFM 2024

RRR star Ram Charan is the guest of honour at the Indian Film Festival of Melbourne (IFFM) 2024 where he will also be awarded the Ambassador for Indian Art and Culture for his stellar contributions to Indian cinema. This recognition comes as a testament to his significant contributions to Indian cinema and his rising international profile.

About Indian Film Festival of Melbourne (IFFM):

- It was established in 2010.
- It is hosted by the Victorian State Government annually.
- It serves as a melting pot for filmmakers, artists, and cinephiles from around the world.

- The 2024 edition will be held from 15 to 25 August, 2024.

AIFF Awards 2024

Lallianzuala Chhangte and Indumathi Kathiresan were named the AIFF Best Men's and Women's Players of the Year 2023-24 in a glittering AIFF Award Night in New Delhi on 19 July, 2024.

Lallianzuala Chhangte's exceptional performance included:

- Scoring 11 goals and providing 7 assists in all competitions for Mumbai City FC.
- Being the highest-scoring Indian in the Indian Super League (ISL).
- Scoring against Qatar in Doha during the FIFA World Cup Qualifiers in June 2024.

Indumathi Kathiresan's exceptional performance include:

- Winning the 2023-24 Indian Women's League (IWL) title with Odisha FC.
- Scoring 5 goals in the IWL and winning the Best Midfielder award.
- Scoring against Estonia in the Turkish Women's Cup in February 2024.

Other Winners:

- Best Men's Coach of the Year: Khalid Jamil
- Best Women's Coach of the Year: Sukla Dutta
- Promising Men's Player of the Year: David Lalhlansanga
- Promising Women's Player of the Year: Neha
- Best Referee of the Year: Ramachandran Venkatesh
- Best Assistant Referee of the Year: Ujjal Halder

CBDT awards Taxnet 2.0 Project to Bharti Airtel

The Central Board of Direct Taxes (CBDT) has awarded the Taxnet 2.0 project to M/s Bharti-Airtel Ltd for providing network connectivity, facility management services and video conferencing services to the Income Tax Department (ITD), subsequent to approval by the Government. This is a state-of-the-art technology, providing secure, reliable and seamless connectivity services and marks a significant advancement over the current Taxnet 1.0 project.

Key Features of Taxnet 2.0 :

- Enhanced Security
- Higher Reliability
- Seamless Connectivity

Best Technology Award

The Indian Institute of Spices Research (IISR) has

received the Best Technology Award for its pioneering work in the field of horticultural sciences. Union Agriculture and Farmers' Welfare Minister Shivraj Singh Chouhan presented the award during the 96th Foundation Day celebrations of the Indian Council of Agricultural Research (ICAR) in New Delhi. The interesting technology called 'Process for instant soluble turmeric enriched spice-flavored milk powder', is one of the five best new ideas from the Horticulture Sciences Division of ICAR.

The technology had already been commercialised with Malabar Regional Co-operative Milk Producers' Union Limited. Two products- Golden Milk and Golden Milk Mix, had been produced and marketed.

Abhinav Bindra awarded prestigious Olympic Order

The International Olympic Committee Executive Board has decided to award India's first individual Olympic gold medallist Abhinav Bindra with the Olympic Order for his outstanding services to the Olympic Movement. The award will be formally presented during the 142nd IOC Session in Paris on 10 August, 2024.

Important facts:

About Abhinaba Bindra :

- Abhinaba Bindra won the men's 10-meter air rifle event at the 2008 Beijing Olympics, becoming the first Indian to secure an individual Olympic gold.
- Since 2018, he has been a member of the IOC Athlete Commission.

About Olympic Order :

- The Olympic Order is the highest award of the Olympic Movement.
- It is awarded for particularly distinguished contributions to the Olympic Movement, i.e. recognition of efforts worthy of merit in the cause of sport.
- Nominations are proposed by the Olympic Orders Council and decided upon by the Executive Board.

IAF World Space Award 2024

Chandrayaan-3, India's lunar mission, won the prestigious World Space Award for 2024, presented by International Astronautical Federation (IAF) for its remarkable contributions to space exploration. The award recognizes the mission's historic achievement of making India the first country to land near the lunar South Pole.

The award will be officially presented during the opening ceremony of the 75th International Astronautical Congress (IAC) on 14 October, 2024. The theme of 75th IAC will be "Responsible Space for Sustainability".

About Chandrayaan-3 :

- Chandrayaan-3 was launched from the Satish Dhawan Space Centre in Sriharikota Range, India, on 14 July 2023 on a mission to demonstrate new technologies and to achieve India's first soft landing on another celestial body.
- On 23 August 2023, India made history by becoming the fourth country in the world to land Chandrayaan-3 on the pole of the Moon successfully.

About IAF World Space Award :

- The IAF World Space Award is presented for contributions in space science, space management of exceptional impact to the world's progress in astronautics.
- The award is presented annually by the International Astronautical Federation (IAF).

Gallantry Awards 2024

On 5 July 2024, Droupadi Murmu, President of India conferred 36 Peacetime Gallantry Awards to the personnel of the Armed Forces, Central Armed Police Forces, and State and Union Territory Police. The awards were conferred during the Defence Investiture Ceremony (Phase-1) at Rashtrapati Bhawan in New Delhi. The awards were given to the personnel for displaying conspicuous gallantry, indomitable courage and extreme devotion to duty. The Gallantry Awards include 10 Kirti Chakras, of which 7 were awarded Kirti Chakras posthumously and 26 Shaurya Chakras, of which 7 were given posthumously.

Kirti Chakra (Posthumous)

Name, Rank and Other Details	Service
Dilip Kumar, CoBRA, CRPF	CRPF, Ministry of Home Affairs (MHA)
Raj Kumar Yadava	(Act Performed Together)
Bablu Rabha	CRPF, MHA
Sambhu Roy	CRPF, MHA
Sepoy Pawan Kumar	Army
Captain Anshuman Singh	Army
Havildar Abdul Majid	Army

Kirti Chakra (Non-Posthumous)

Major Digvijay Singh Rawat	Army
Major Deependra Vikram Basnet	Army
Naib Subedar Pawan Kumar Yadav	Army

Shaurya Chakra (Posthumous)

Name, Rank and Other Details	Service
Constable Safiullah Qadri	J&K Police (MHA)
Major Vikas Bhambhu	Army
Major Mustafa Bohara	Army
Rifleman Kulbhushan Manta	Army
Havildar Vivek Singh Tomar	Army
Rifleman Alok Rao	Army
Captain MV Pranjali	Army

Shaurya Chakra (Non-Posthumous)

Gamit Mukesh Kumar	CRPF (MHA)
Amit Raina	J&K Police (MHA)
Faroze Ahmad Dar	J&K Police (MHA)
Bibhor Kumar Singh	CRPF (MHA)
Varun Singh	J&K Police (MHA)
Mohan Lal	J&K Police (MHA)
Major Rajendra Prasad Jat	Army
Major Ravinder Singh Rawat	Army
Naik Bhim Singh	Army
Major Sachin Negi	Army
Major Maneo Francis PF	Army
Wing Commander Shailesh Singh	Air Force
Lieutenant Bimal Ranjan Behera	Navy
Havildar Sanjay Kumar	Army
Hrishikesh Jayan Karuthedath	Air Force
Captain Akshat Upadhyay	Army
Naib Subedar Baria Sanjay Kumar Bhamar Singh	Army
Major Amandeep Jakhar	Army
Parshotam Kumar	Civilian (Army)

-: August :-

Gulbenkian Prize for Humanity 2024:

The Andhra Pradesh Community Managed Natural Farming (APCNF) program, led by the Government of Andhra Pradesh, has been awarded the prestigious Gulbenkian Prize for Humanity 2024. The APCNF will share the one million euro prize money with the renowned soil scientist Rattan Lal and the SKEEM of

Egypt. This accolade not only highlights India's progress in sustainable farming but also places Andhra Pradesh on the global map for its pioneering efforts in eco-friendly agriculture.

Shah Rukh Khan becomes first Indian actor to be honoured with Gold Coins:

Indian superstar Shah Rukh Khan has been honoured with a customised gold coin bearing his name and likeness by the Grévin Wax Museum in Paris. With this he became the first Indian actor to have gold coins in his name at the museum. The renowned museum has felicitated Khan for his contributions to cinema with a specialised gold coin.

Important facts:**About Gervin Museum:**

- The Gervin Museum is a wax museum located on the Grands Boulevards in Paris.
- The museum is known for its wax figures of celebrities. Shah Rukh Khan also has a wax statue at the museum along with other Bollywood stars like Aishwarya Rai Bachchan and Ranveer Singh.

10th National Community Radio Awards :

Union Minister for Information and Broadcasting, Ashwini Vaishnaw, announced the winners of the 10th National Community Radio Awards on 25 July.

The award is given in four categories, with each category offering:

- First Prize: Rs. 1,00,000
- Second Prize: Rs. 75,000
- Third Prize: Rs. 50,000

1. Thematic Award

Winner: Radio Mayur, District Saran, Bihar for the programme 'Tech Sakhi'

2. Most Innovative Community Engagement Award

Winner: Yerlawani Sangli of Maharashtra for the programme 'Kahani Sunandachi'

3. Promoting Local Culture Award

Winner: Radio Brahmaputra of Dibrugarh, Assam for the programme 'Igarekun'

4. Sustainability Model Award

Winner: Radio Benziger, run by Bishop Benziger Hospital Society, Kollam, Kerala

Rajbhasha Gaurav Samman Award 2023-24 :

The Town Official Language Implementation Committee (TOLIC) honoured Public Sector Undertakings (PSUs) in Visakhapatnam with the 'Rajbhasha Gaurav Samman' for the year 2023-24 for their work to promote Hindi. The event was hosted by NTPC.

Award Categories :

The award is given in three categories based on performance in the implementation of Hindi.

Category I:

First Prize : HPCL-Visakha Refinery

Second Prize: NTPC Simhadri

Third Prize: Airport Authority of India

Category II:

First Prize: GAIL

Second Prize: HPCL-Visakha Regional Office

Third Prize: SAIL – Branch Transport & Shipping Office

Category III:

First Prize: MSTC

Second Prize: HPCL LPG

Third Prize: ECGC

Jitendra Singh bestowed with the 'Lifetime Achievement Award':

Union Minister Dr. Jitendra Singh was conferred the prestigious 'Lifetime Achievement Award' in recognition of his exemplary dedication to the advancement of diabetology, diabetes care and diabetes research which earned him acknowledgement across the country and overseas. The award was conferred in a ceremony to mark the International Meet of leading medical celebrities, professionals and Medicos from all over the country and abroad.

GEEF Global WaterTech Award 2024 :

The Central Water Commission (CWC) has been honoured with the GEEF Global WaterTech Award 2024 under the category 'Water Department of the Year' at the Global Water Tech Summit-2024 in New Delhi. The award was given for its exemplary work in water resources management, flood forecasting, coastal area management and more.

Important facts:**About Global WaterTech Award:**

The Global WaterTech Award recognises significant achievements in the water sector, including advancements in innovation, technology, conservation, and sustainable development. The GEEF acknowledged CWC's pivotal role in Hydro-Meteorological data collection, flood forecasting, reservoir storage monitoring, water quality monitoring, coastal area management, water resources project appraisal and monitoring and resolving of inter-state water issues.

V Venkayya Epigraphy Award 2024:

Eminent Tamil epigrapher and historian, V. Vedachalam has been conferred the V Venkayya

Epigraphy Award 2024 for his extensive contributions to the field of epigraphic studies.

Important facts:**About V Venkayya Epigraphy Award:**

The award celebrates exceptional contributions to epigraphy in any Indian language, including:

- Discovering new inscriptions
- Offering fresh interpretations of existing epigraphic evidence
- Disseminating knowledge through various media
- Preserving epigraphic resources

About V. Vedachalam:

Dr. Vedachalam has 33-year tenure with the Department of Archaeology in Tamil Nadu. He has been instrumental in shaping his comprehensive understanding of various archaeological aspects. He has written and co-written more than 25 books on topics such as epigraphy, religion, numismatics, temple art and society.

Indians students shine at International Physics, Chemistry Olympiads :

Indian students have secured two gold and three silver medals at the 54th International Physics Olympiad (IPhO) 2024 held from 21-29 July in Isfahan, Iran. A total of 193 students from 43 countries participated in the International Physics Olympiad. In the Physics Olympiad, overall, India was placed in the fourth position, jointly with Vietnam. China is at the top spot, followed by Russia and Romania.

The medal winners in the International Physics Olympiad:

Name (Place)	Medal
Rhythm Kedia (Raipur, Chhattisgarh)	Gold
Ved Lahoti (Indore, Madhya Pradesh)	Gold
Akarsh Raj Sahay (Nagpur, Maharashtra)	Silver
Bhavya Tiwari (Noida, Uttar Pradesh)	Silver
Jaiveer Singh (Kota, Rajasthan)	Silver

Indian team also secured one gold, one bronze and two silver medals at the 56th International Chemistry Olympiad (IChO 2024) from 21-30 July held in Riyadh, Saudi Arabia.

The medal winners in the International Chemistry Olympiad:

Name (Place)	Medal
Devesh (Jalgaon, Maharashtra)	Gold
Avaneesh (Kota, Rajasthan)	Silver
Harshin (Hyderabad, Telangana)	Silver
Kashyap (Mumbai, Maharashtra)	Bronze

In the country-wise medals tally, India was placed in the 11th position.

Sundar Pichai honoured with Honorary Doctorate from IIT-Kharagpur :

Google and Alphabet CEO Sundar Pichai and his wife Anjali Pichai were bestowed with Honorary Doctorate degree by their alma mater, IIT Kharagpur.

Sundar Pichai was conferred with an honorary Doctor of Science (Honoris Causa) degree, a recognition of his exceptional contributions to the field of technology and his leadership at one of the world's most influential companies.

Anjali Pichai was awarded the Distinguished Alumnus Award for her achievements in Chemical Engineering.

Shah Rukh Khan honoured with Lifetime Award at Locarno Film Festival :

At the 77th Locarno Film Festival, Bollywood film icon Shah Rukh Khan, received Lifetime Achievement Award, the Pardo alla Carriera (Career Leopard) in recognition of his significant contributions to Indian cinema. Shah Rukh delivered his acceptance speech to a rapt audience of 8,000 at Locarno's famed Piazza Grande, calling it a strong artistic form that goes beyond cultural and geographical limits.

Curator Rahaab Allana was honoured by the French Government :

Indian curator and author Rahaab Allana has been awarded the 'Officier dans l'Ordre des Arts et des Lettres' (Officer of the Order of Arts and Letters) by the French Government for his significant contributions to contemporary South Asian photography and Indo-French artistic cooperation.

Important facts:

About Rahaab Allana:

- Rahaab Allana is a curator and publisher of the

Alkazi Foundation for the Arts in New Delhi.

- He is currently serving a member at the Arts and Culture Committee, Asia Society (India Chapter).
- He is also a fellow of the Royal Asiatic Society and honorary research associate at the University College, in London, United Kingdom.
- He is the founding and managing editor of PIX, a theme-based photography initiative - an exhibitionary and online platform for South Asian practitioners.
- He also played a major role in the curation of two multidisciplinary photography exhibitions for Bonjour India festivals, Mutations in 2018 and Convergence in 2022.

About Ordre des Arts et des Lettres:

- It is an order of France established on 2 May, 1957 by the Minister of Culture.
- It is given for significant contribution to the enrichment of the French cultural inheritance.
- The Order has three grades:
 - (i) Commandeur (Commander)
 - (ii) Officier (Officer)
 - (iii) Chevalier (Knight)

KIIT University granted UN ECOSOC Special Consultative Status :

Kalinga Institute of Industrial Technology (KIIT), Odisha Deemed to be University has been granted the distinguished Special Consultative Status by the United Nations Economic and Social Council (UN ECOSOC) in recognition of its substantial contributions to the Sustainable Development Goals (SDGs) and UN's Agenda 2030. This prestigious honour was conferred during the UN ECOSOC management segment meeting held on 23 July 2024, at the United Nations Headquarters in New York. KIIT has also signed an MoU with UN Volunteers (UNV), providing valuable professional experience for its students in international development.

Out of 476 applications from around the world, only 19 organizations including KIIT DU got this award.

Rashtriya Vigyan Puraskar 2024

The Indian Government announced the first-ever Rashtriya Vigyan Puraskar (RVP) awardees 2024, marking a significant move to recognize and honour the country's outstanding contributions to science, technology and innovators of Indian origin, including Persons of Indian Origin, whether working in India or abroad. The awards will be presented on 23 August, National Space Day, which celebrates the milestone of Chandrayaan-3's moon landing.



About Rashtriya Vigyan Puraskar:

In January 2024, the Ministry of Science and Technology introduced the new awards scheme to replace the existing science awards, including the Shanti Swarup Bhatnagar Prize, to provide a more inclusive and updated recognition system. These awards honour individuals who have made distinguished contributions through impactful research, innovation, or discovery that benefits Indian communities or society.

These awards shall be announced on 11 May (National Technology Day) every year. The Award Ceremony for all categories of awards will be held on National Space Day. Each awardee receives a Sanad (Certificate) signed by the President of India. RVP is awarded in various subjects such as Physical Sciences, Chemical Sciences, Biological Sciences, Mathematical Sciences, Earth & Atmospheric Sciences and Engineering Sciences.

The award will be presented with four different categories:

- ❖ **Vigyan Ratna:** For lifetime achievements in science and technology (Up to 3 awards each year).
- ❖ **Vigyan Shri:** For distinguished contributions in various scientific fields (Up to 25 awards each year).
- ❖ **Vigyan Yuva-Shanti Swarup Bhatnagar Award:** For exceptional contributions by young scientists upto 45 years of age (Up to 25 awards each year).
- ❖ **Vigyan Team:** For teams of three or more innovators making significant contributions together (Up to 3 awards for teams of three or more each year).

Recipients of 2024 Awards:

The government announced a total of 33 Rashtriya Vigyan Puraskars across various categories.

- ❖ **Vigyan Ratna:** G. Padmanabhan, a noted biochemist and former director of the Indian Institute of Science.
- ❖ **Vigyan Shri Awards:** Thirteen scientists received the Vigyan Shri award for their distinguished contributions across different scientific domains.
- ❖ **Vigyan Yuva-Shanti Swarup Bhatnagar Awards:** Eighteen young scientists under the age of 45 were honored with the Vigyan Yuva-Shanti Swarup Bhatnagar awards, continuing the legacy of the prestigious Shanti Swarup Bhatnagar prize.
- ❖ **Vigyan Team Award:** The Team Chandrayaan-3 was recognized with the Vigyan Team award for their exceptional contribution to India's space program, particularly for the successful moon landing mission.

The list of all winners of 2024 are given below:

Award Category	Award Recipients	Associated Field
Vigyan Ratna	Dr. Govindarajan Padmanabhan	Biochemistry
	Dr. Annapurini Subramanian	Astrophysics
	Dr. Anandharamakrishnan C	Agriculture Science
	Dr. Avesh Kumar Tyagi	Atomic Energy
	Prof. Umesh Varshney, Prof. Jayant Bhalchandra Udgaonkar	Biological Sciences
	Prof. Syed Wajih Ahmad Naqvi	Earth Sciences
Vigyan Shri	Prof. Bhim Singh	Engineering Sciences
	Prof. Adimurthi Adi, Prof. Rahul Mukherjee	Mathematics and Computer Science
	Prof. Dr. Sanjay Behari	Medicine
	Prof. Lakshmanan Muthusamy, Prof. Naba Kumar Mondal	Physics
	Prof. Rohit Srivastava	Technology and Innovation
	Krishna Murthy SL, Swarup Kumar Parida	Agricultural Science
Vigyan Yuva	Radhakrishnan Mahalakshmi, Prof. Aravind Penmatsa	Biological Sciences
	Vivek Polshettiwar, Vishal Rai	Chemistry
	Roxy Mathew Koll	Earth Sciences
	Abhilash, Radha Krishna Ganti	Engineering Sciences
	Purabi Saikia, Bappi Paul	Environmental Science
	Mahesh Ramesh Kakde	Mathematics and Computer Science
	Jitendra Kumar Sahu, Pragya Dhruv Yadav	Medicine
	Urbasi Sinha	Physics
	Digendranath Swain, Prashant Kumar	Space Science and Technology
	Prabhu Rajagopal	Technology and Innovation

70th National Film Awards

The 70th National Film Awards were announced on 16 August, 2024 to honour the best films of 2022 in Indian cinema, presented by the National Film Development Corporation of India.

The award was dominated by regional movies with Aattam (The Play) in Malayalam being adjudged the Best Feature Film.

Rishab Shetty won the Best Actor award for 'Kantara', Nithya Menen for 'Thiruchitrabalam' and Manasi Parekh for 'The Kutch Express' shared the Best Actress award.

The list of all winners of National Film Awards are given below:



Feature Films Awards

Award Category	Winner	Film
Best Feature Film	Aattam (Malayalam)	--
Best Actor	Rishab Shetty	Kantara (Kannada)
Best Actress	Nithya Menen Manasi Parekh	Tiruchitrabalam (Tamil) Kutch Express (Gujrati)
Best Director	Sooraj Barjatya	Uunchai (Hindi)
Best Supporting Actress	Neena Gupta	Uunchai (Hindi)
Best Supporting Actor	Pawan Malhotra	Fouja (Haryanvi)
Best Feature Film Providing Wholesome Entertainment	Kantara (Kannada)	--
Best Debut Film of a Director	Pramod Kumar	Fouja (Haryanvi)
Best Action Direction	KGF: Chapter 2 (Kannada)	--
Best Choreography	Tiruchitrabalam (Tamil)	--
Best Lyrics	Fouja : For the song "Salaami" (Haryanvi)	--
Best Music Director	Pritam (Songs) AR Rahman (Background Score)	Brahmâstra: Part One - Shiva (Hindi) Ponniyin Selvan: I (Tamil)
Best Makeup	Aparajito (Bengali)	--
Best Costume Design	Kutch Express (Gujarati)	--
Best Production Design	Aparajito (Bengali)	--
Best Editing	Aattam (Malayalam)	--
Best Sound Design	Ponniyin Selvan - Part 1 (Tamil)	--
Best Screenplay	Aattam (Malayalam)	--
Best Dialogues	Gulmohar (Hindi)	--
Best Cinematography	Ponniyin Selvan : Part 1 (Tamil)	--
Best Female Playback Singer	Bombay Jayashri (For the song "Chaayum Veyil")	Saudi Velakka CC.225/2009 (Malyalam)
Best Male Playback Singer	Arijit Singh (For the song "Kesariya")	Brahmâstra: Part One - Shiva (Hindi)
Best Child Artist	Sreepath	Mallikappuram (Malayalam)
Best Film in AVGC (Animation, Visual Effects, Gaming & Comic)	Brahmâstra: Part One - Shiva (Hindi)	--
Best Feature Film Promoting National, Social and Environmental Values	Kutch Express (Gujarati)	--
Special Mention	Manoj Bajpayee (Actor) Sanjoy Salil Chowdhury (Music Director)	Gulmohar (Hindi) Kadhikan (Malayalam)

Language-Specific Feature Film Awards

Award Category	Winner
Best Telugu Film	Karthikeya 2
Best Tamil Film	Ponniyin Selvan – Part 1
Best Punjabi Film	Baaghi Di Dhee
Best Odia Film	Daman
Best Malayalam Film	Saudi Velakka CC.225/2009
Best Marathi Film	Vaalvi
Best Kannada Film	KGF: Chapter 2
Best Hindi Film	Gulmohar
Best Tiwa Film	Sikaisal
Best Bengali Film	Kaberi Antardhan
Best Assamese Film	Emuthi Puthi

Non-Feature Films Awards

Award Category	Winner
Best Non-Feature Film	Ayena (Hindi-Urdu)
Best Director in Non-Feature Film	Miriam Chandy Menacherry for From the Shadows (English-Bengali-Hindi)
Best Debut Non-Feature Film of a Director	Basti Dinesh Shenoy for Madhyantara (Kannada)
Best Biographical/Historical/Compilation Film	Aanakhi Ek Mohenjo Daro (Marathi)
Best Arts/Cultural Film	Ranga Vibhoga (Kannada) ; Varsa (Marathi)
Best Script	Mono No Aware (English-Hindi)
Best Narration	Murmurs of the Jungle (Marathi)
Best Music Direction	Fursat (Hindi)
Best Editing	Madhyantara (Kannada)
Best Sound Design	Yaan (Hindi-Malwi)
Best Cinematography	Mono No Aware (Hindi- English)
Best Direction	From the Shadow (English-Bengali-Hindi)
Best Short Film (Upto 30 Mins)	Xunyota (Assamese)
Best Animated Film	The Coconut Tree (English)
Best Non-Feature Film Promoting Social and Environmental Values	On the Brink Season 2 – Gharial (English)
Best Documentary	Murmurs of the Jungle (Marathi)
Special Mention	Birubala ‘Witch to Padmashri’ (Assamese) Hargila – The Greater Adjutant Stork (Assamese)

Best Writing on Cinema

Award Category	Winner
Best Film Critic	Deepak Dua (Hindi)
Best Book on Cinema	Kishore Kumar: The Ultimate Biography, authored by Anirudha Bhattacharjee and Parthiv Dhar (English)

Important Facts:

About National Film Awards:

The National Film Awards was established in 1954 to encourage the furthering of Indian art and culture. It has been administered, along with the International Film Festival of India and the Indian Panorama, by the Indian government's Directorate of Film Festivals since 1973. The award ceremony is held in New Delhi and the President of India presents the awards. All the awardees are awarded with a medallion, a certificate of merit and cash prize.

The Awards are categorized into three sections: Feature Films, Non-Feature Films and Best Writing on Cinema.

Feature Films: It encourages the production of films with aesthetic and technical excellence.

Non-Feature Films: It aims to produce films of social relevance and technical quality.

Best Writing on Cinema: It encourages study and critical appreciation of cinema as an art form.

Golden Lotus Award (Official name: Swarna Kamal):

Feature Films:

- ❖ Best Feature Film
- ❖ Best Director
- ❖ Best Popular Film Providing Wholesome Entertainment
- ❖ Best Children's Film
- ❖ Best Debut Film of a Director

Non-Feature Films:

- ❖ Best Non-Feature Film
- ❖ Best Director

The award is also given for **Best Book on Cinema** and **Award for Best Film Critic**.

Silver Lotus Award (Official name: Rajat Kamal):

Feature and Non-Feature Films:

All other category awards in Feature and Non-Feature Films, including the Best Feature Films in 17 of the 22 languages specified in the Eighth Schedule of the Constitution of India and the languages not specified like, Bhojpuri, English, Khasi, Kodava, Kokborok, Monpa and Tulu.

-: September :-

National Geoscience Awards 2023

President Droupadi Murmu on 20 August 2024, conferred the National Geoscience Awards (NGA) 2023 at the Rashtrapati Bhavan Cultural Centre in New Delhi to recognize and celebrate



extraordinary achievements and contributions in various specialized fields of geosciences.

This year, a total of 12 awards (9 individual awards and 3 team awards) to 21 Geoscientists, including academicians and professionals from across the country, were honoured under three categories:

- National Geoscience Award for Lifetime Achievement (1 award)
- National Geoscience Award (10 awards)
- National Young Geoscientist Award (1 award)

About National Geoscience Award :

- The award was initially established as the National Minerals Award by the Union Ministry of Mines.
- In 2009, recognizing the broader scope of earth sciences, the award was renamed the National Geoscience Award.

Awards Categories and descriptions :

National Geoscience Award for Lifetime Achievement: Recognizes outstanding contributions to the field over an entire career.

- ❖ **Prize Money:** Rs. 5,00,000

National Young Geoscientist Award: Honours promising early-career scientists who have demonstrated exceptional potential and achievement.

- ❖ **Prize Money:** Rs. 1,00,000 plus a research grant of Rs. 5,00,000 spread over five years, subject to satisfactory yearly progress.

National Geoscience Award: Acknowledges

significant contributions in various specialized areas of geosciences. The award is presented under four different sections:

- i. Mineral discovery and exploration
- ii. Mining, Mineral beneficiation and Sustainable Mineral Development

iii. Basic Geosciences

iv. Applied geosciences

❖ **Prize Money:** Rs. 3,00,000 (equally divided in case of a team)

The list of all winners of 2023 are given below:

Category	Award Winners	Associated Field
National Geoscience Award for Lifetime Achievement	Prof. Dhiraj Mohan Banerjee	For his pioneering work on phosphorites, isotope geology, and organic geochemistry of Precambrian sedimentary rocks of India.
National Young Geoscientist Award	Dr. Ashutosh Pandey	For his groundbreaking research on the geodynamic evolution of the Eastern Dharwar Craton and suggesting an alternative model for the origin of Paleoproterozoic Lesser Himalayan mafic rocks.
National Geoscience Awards	Mineral Discovery and Exploration	
	Teams	For their exemplary work in the discovery and exploration of minerals, excluding fossil fuels, of economic and strategic importance
	<ul style="list-style-type: none"> ● Abhishek Kumar Shukla ● Smt. Danira Stephen D'silva ● Parsuram Behera ● Dr. M.N. Parveen ● Sanjay Singh ● Shailendra Kumar Prajapati ● Shashank Shekhar Singh ● Kevinguzo Chasie 	
	Individual	Coal, Lignite and Coal Bed Methane discovery
	● Dr. Pawan Dewangan	
	Mining, Mineral Beneficiation and Sustainable Mineral Development	
	Individuals	
	● Dr. Harsh Kumar Verma	Mining Technology
	● Prof. Mangadoddy Narasimha	Mineral Beneficiation
	Basic Geosciences	
	Individual	For his work in Basic Geosciences
	● Dr. Rahul Mohan	
Team	For their contributions to basic geosciences	
<ul style="list-style-type: none"> ● Krishna Kumar ● Dr. Pragya Pandey ● Triparna Ghosh ● Debasish Bhattacharya 		
Applied Geosciences		
Individual		
<ul style="list-style-type: none"> ● Dr. Vikram Vishal ● Dr. Bantu Prasanta Kumar Patro ● Prof. Srimath Tirumala Gudemella Raghu Kanth 	For his contributions to applied geology Geophysics / Applied Geophysics Natural Hazard Investigations	

Union Minister Giriraj Singh presented Handicrafts Exports Awards :

Union Minister Giriraj Singh presented 24th Handicrafts Exports Awards on 21 August, at the Convention Hall, The Ashok Hotel, New Delhi. The award was organised by the Export Promotion Council for Handicrafts (EPCH). He has highlighted the handicrafts sector's pivotal role in the growth of Indian economy.

A total of 123 awards were conferred upon 62 winners of the year 2019-20 and to 61 winners of the year 2020-21, along with a prestigious Lifetime Achievement Award.

Important Facts:

About Handicrafts Exports Awards:

- The Awards were instituted in 1989.
- The awards are presented in the following categories:
 - (i) Platinum Performer Award: It is granted to those who have won the Top Export Award for more than three years.
 - (ii) Top Export Award: It is presented to the exporter with the highest export performance across all handicraft product categories.
 - (iii) Woman Entrepreneur Award: It is given to organizations led or wholly owned and directed by women.
 - (iv) Regional Awards: It is given to the highest export performance within a specific region over the last three years.

Emmy Awards 2024 :

The 76th Primetime Emmy Awards ceremony, held at the Peacock Theater in Los Angeles on 16 September, 2024. With the most number of nominations, the biggest winner of the award was FX's sensational Japan-set historical drama series *Shōgun*, which claimed the coveted title of Outstanding Drama Series.

The full list of Emmy Awards 2024 Winners are :

Category	Winner	
Outstanding Drama Series	Shogun	
Outstanding Comedy Series	Hacks	
Outstanding Limited or Anthology Series	Baby Reindeer	
Lead Actor, Drama	Hiroyuki Sanada,	Shogun
Lead Actress, Drama	Anna Sawai, Shogun	
Lead Actor, Comedy	Jeremy Allen White,	The Bear
Lead Actress, Comedy	Jean Smart, Hacks	
Lead Actor, Limited Series	Richard Gadd, Baby	or Movie Reindeer
Lead Actress, Limited Series	Jodie Foster, True	or Movie Detective: Night
Supporting Actor, Drama	Billy Crudup, The	Morning Show
Supporting Actress, Drama	Elizabeth Debicki,	The Crown
Supporting Actor, Comedy	Ebon Moss-Bachrach,	The Bear
Supporting Actress, Comedy	Liza Colon-Zayas,	The Bear
Supporting Actor, Limited	Lamorne Morris,	Series or Movie Fargo
Supporting Actress, Limited	Jessica Gunning,	Series or Movie Baby Reindeer
Outstanding Reality or Competition Program	Traitors	
Best Scripted Variety Series	Last Week Tonight	With John Oliver
Outstanding Writing for a	Alex Edelman,	Variety Special Just for Us

Outstanding Directing for	Steven Zaillian,	Limited Series or Movie	Ripley
Outstanding Writing, Comedy	Hacks		
Outstanding Talk Show	The Daily Show		
Outstanding Writing for a	Will Smith, Slow	Drama Series	Horses
Best Writing, Limited Series	Richard Gadd, Baby	Reindeer	
Outstanding Directing for	Christopher Storer,	Comedy Series	The Bear
Best Directing for Drama	Frederick E. O. Toye,	Series	Shogun

Important Facts :

About Emmy Awards :

- The Emmy Awards are an extensive range of awards for honouring excellence in primetime television programming worldwide.
- The awards were first instituted in 1949.
- It is considered one of the four major annual American entertainment awards, along with the Grammy for music, the Oscars for film and the Tony for Broadway theatre.

CEAT Cricket Awards 2024 :

The 26th edition of CEAT Cricket Awards was held in Mumbai to recognize outstanding achievements during the 2023-24 cricketing season,

Full list of award winners are :

- **Men's International Cricketer of the Year:** Rohit Sharma
- **Test Batter of the Year:** Yashasvi Jaiswal
- **Test Bowler of the Year:** R Ashwin
- **ODI Batter of the Year:** Virat Kohli
- **ODI Bowler of the Year:** Mohammed Shami
- **T20I Batter of the Year:** Phil Salt
- **T20I Bowler of the Year:** Tim Southee
- **T20 Leadership Award:** Shreyas Iyer (KKR)
- **Lifetime Achievement Award:** Rahul Dravid
- **Award for Excellent in Sports Administration:** Jay Shah
- **Most matches as captain in women's T20I history:** Harmanpreet Kaur
- **Women's Indian Bowler of the Year:** Deepti Sharma
- **Fastest double-century in Women's Test:** Shafali Verma

Important Facts :

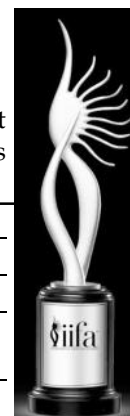
About CEAT Cricket Awards :

- The award is given to honour exceptional performances of cricketers globally.
- The awards were initiated in 1995-96.

-: October :-

IIFA Awards 2024

The 24th International Indian Film Academy (IIFA) Awards was held on 28 September 2024, at Abu Dhabi. The evening was hosted by the Bollywood King Shah Rukh Khan, joined by co-hosts Vicky Kaushal and Karan Johar. The film 'Animal' got most number of nominations.



Category	Winner	Film
Best Film	Animal	Animal
Best Actor	Shah Rukh Khan	Jawan
Best Actress	Rani Mukerji	Mrs Norway
Best Director	Vidhu Vinod Chopra	12th Fail
Best Supporting Actor	Anil Kapoor	Animal
Best Supporting Actress	Shabana Azmi	Rocky Aur Rani Kii Prem Kahaani
Best Actor in Negative Role	Bobby Deol	Animal
Best Story (Original)	Rocky Aur Rani Kii Prem Kahaani	Rocky Aur Rani Kii Prem Kahaani
Best Story (Adapted)	12th Fail	12th Fail
Best Music	Animal	Animal
Best Lyrics	Satranga	Animal
Best Singer Male	Bhupinder Babbal	Animal
Best Singer Female	Shilpa Rao	Chaleya
Outstanding Contribution to Indian Cinema	Hema Malini & Jayantilal Gada	-
Achievement on completing 25 years in Cinema	Karan Johar	-
Best Screenplay	12th Fail	12th Fail
Best Cinematography	Jawan	Jawan
Best Background Score	Animal	Animal
Best Choreography	Bosco-Caesar for 'Jhoom Jo Pathaan'	Pathaan
Best Dialogue	Ishita Moitra	Rocky Aur Rani Kii Prem Kahaani
Best Special Effects	Red Chillies VFX	Jawan
Best Sound Mixing	Sampath Alwar, Chris Jacobson, Rob Marshall, Marti Humphrey	Jawan
Best Sound Design	Sachin Sudhakaran, Hariharan M	Animal
Best Editing	Sandeep Reddy Vanga	Animal

About IIFA Awards :

- IIFA is an annual awards ceremony for Hindi cinema.
- The award is produced by Wizcraft International Entertainment Pvt. Ltd.
- The award was instituted in 2000.

Laapataa Ladies: India's Official Entry for Oscars 2025 :

The Film Federation of India has selected Kiran Rao's 'Laapataa Ladies' as India's official entry for the 'Best International Feature Film' category at the Oscars 2025. The film was unanimously selected by a jury of 13 experts, headed by Assamese Director Jahnu Barua.

About Oscars :

- The Academy Awards is commonly known as the Oscars.
- The awards are presented for artistic and technical merit for the film industry worldwide.
- They are presented by the Academy of Motion Picture Arts and Sciences (AMPAS) in the US annually.

- The awards were first initiated in 1929.
- About Laapataa Ladies:**
- **Director:** Kiran Rao
 - **Producer:** Kiran Rao, Aamir Khan and Jyoti Deshpande
 - **Casts:** Nitanshi Goel, Pratibha Ranta, Sparsh Shrivastav, Chhaya Kadam and Ravi Kishan
 - This satirical film, set against the backdrop of rural India, delves into themes of patriarchy and societal norms.

Vinod Bachchan honoured with Global Prestige Award at UK Parliament :

Bollywood producer Vinod Bachchan was honoured with the Global Prestige Award at the House of Lords, UK Parliament, for his contributions to Indian cinema. Known for films like Tanu Weds Manu and Ginny Weds Sunny, Bachchan announced upcoming sequels and plans to explore filming in the UK to promote cultural exchange between India and the UK. The award ceremony was hosted by Lord Bellamy KC and Lord Rami Ranger CBE.

2024 UN Inter-Agency Task Force Award :

The Indian Council of Medical Research (ICMR) has won the '2024 UN Inter-Agency Task Force (UNIATF) Award' for its important work in fighting non-communicable diseases (NCDs) and improving mental health. This award recognizes ICMR's efforts to support the Sustainable Development Goals and its successful actions in multiple sectors over the years.

2024 SASTRA Ramanujan Prize :

Alexander Dunn, a prominent mathematician of Georgia Institute of Technology, U.S. has been awarded the 2024 SASTRA Ramanujan Prize for his study of modular forms, half-integral weight forms, metaplectic forms, and their relationships with prime numbers and integer partitions. The award will be presented at the International Conference on Number Theory, from 20-22 December, 2024, at SASTRA University in Kumbakonam, India.

About SASTRA Ramanujan Prize :

- The award was established in 2005.
- It is given by the Shanmugha Arts, Science, Technology & Research Academy (SASTRA) University, Tamil Nadu.
- It includes a cash prize of USD 10,000.
- It is awarded annually to mathematicians aged 32 or below for exceptional contributions, particularly in areas inspired by the work of Srinivasa Ramanujan.

About SASTRA Ramanujan Prize :

- He is often regarded as one of the greatest mathematicians of all time, recognised for his pioneering contributions to number theory, elliptic functions, partition theory, and hypergeometric series.
- His talent was recognized by G.H. Hardy in 1913, leading to his work at Cambridge.

Aishwarya Rai wins Best Actress Award at SIIMA 2024 :

Renowned Bollywood actress Aishwarya Rai Bachchan won the Best Actress in a Leading Role (Critics) Award for her performance in Director Mani Ratnam's film 'Ponniyin Selvan: Part 2'.

Anushka Sen honoured by the South Korea Government :

Indian actress Anushka Sen was honoured by the South Korean Government for her efforts to strengthen the cultural and economic ties between India and Korea. She was awarded by the CEO of Seoul Business Agency (SBA) during a ceremony in South Korea. Anushka is the Honorary Ambassador of Korean Tourism.

RINL wins National Energy Leader Award 2024 :

Rashtriya Ispat Nigam Limited (RINL) has won the National Energy Leader Award 2024 from Confederation of Indian-Industry-Green Business Award (CII-GBC) for the 6th consecutive year. RINL has also secured the 'Excellent Energy Efficient Unit Award' for the 8th consecutive year.

Rhea Singha crowned Miss Universe India 2024 :

Rhea Singha, a 19-year-old model from Gujarat, has been crowned Miss Universe India 2024 in Jaipur, having triumphed over 51 other contestants. She will represent India at the global Miss Universe competition in Mexico later in 2024. Besides modelling, Rhea is an aspiring entrepreneur, TEDx speaker and fitness enthusiast, making her a versatile talent ready to shine on the international stage.

Odisha Swimmer Pratyasa Ray selected for Ekalabya Puraskar 2024 :

Pratyasa Ray, a rising star in swimming, has been selected for the prestigious Ekalabya Puraskar for 2024.

About Pratyasa Ray :

- She is from Bargarh district, Odisha.
- She has become the Joint-Best Swimmer in Women Open category with 6 Gold at 64th Odisha State Swimming Championship (2024).

- She also won 6 Gold at 63rd Odisha State Swimming Championship (2023). 2 Silvers in Thailand Age Group Championships (2023).
- She bagged 2 Silvers in Thailand Age Group Championships (2023).

Chiranjeevi sets Guinness World Record :

Megastar Chiranjeevi was recognized by Guinness World Records as the most prolific actor/dancer in Indian cinema. He achieved this remarkable feat by performing 24,000 dance moves in 537 songs across 156 films over his 45-year career.

About Chiranjeevi :

- Mega Star of India Cinema, Chiranjeevi has acted in more than 150 films.
- Some of his notable works are 'Indra', 'Tagore', 'Rudra Veena' .
- His was honoured with the Padma Bhushan in 2006 and Padma Vibhushan in 2024.

-: November :-

SAIL Shines at SHRM HR Excellence Awards 2024

SAIL won accolades for *Inclusion, Equity & Diversity* and *Managing the Distributed Workforce* at the SHRM India Annual Conference 2024 in New Delhi. The awards highlight SAIL's innovative HR practices fostering employee inclusion and resilience. SAIL, India's largest government-owned steel producer, continues to lead with modernization and green technology.

Darasing Khurana Wins Mahatma Gandhi Leadership Award in the UK

Actor and philanthropist Darasing Khurana received the Mahatma Gandhi Leadership Award at Oxford's Ashmolean Museum for his impactful mental health advocacy as the *Commonwealth Year of Youth Champion*. At the Global Mental Health Summit 2024, he emphasized creating a "mentally sound society" and is expanding efforts through his foundation, *Pause.Breathe.Talk*, to make therapy accessible. Khurana is also moderating a mental health session at CHOGM 2024 in Samoa, alongside global leaders like Patricia Scotland and Prince Edward.

Urmila Chaudhary Wins Global Anti-Racism Award 2024

Nepali activist Urmila Chaudhary received the Global Anti-Racism Championship Award 2024 from U.S. Secretary of State Antony Blinken in Washington, D.C. Honoured for combating systemic racism and

empowering marginalized communities, she co-founded the Freed Kamlari Development Forum and supports former child laborers. Chaudhary joins global leaders recognized for advancing human rights and equity.

Adarsh Karmayogi Awards Celebrate Lifelong Learning

As part of the Mission Karmayogi initiative, 13 employees from the Ministry of Mines were honoured with Adarsh Karmayogi Awards on October 21, 2024, for completing over 100 courses on the iGOT Karmayogi portal. The awards, presented during National Learning Week by Union Ministers G. Kishan Reddy and Satish Chandra Dubey, highlight efforts to build citizen-centric governance through capacity building. The Ministry achieved 100% employee onboarding and course completion, earning top rankings in performance among government organizations.

Bhubaneswar Wins Best Public Transport System at UMI 2024

Bhubaneswar was awarded the title of "City with the Best Public Transport System" at the 17th Urban Mobility India (UMI) Conference & Exhibition 2024 held in Gandhinagar, Gujarat. The award, presented by Union Minister Manohar Lal to Odisha's Housing & Urban Development Minister Dr. Krushna Chandra Mahapatra, recognizes the city's advancements in sustainable, safe, and accessible public transport. Dr. Mahapatra attributed the achievement to Odisha's commitment to the "Viksit Odisha" vision, highlighting the adoption of innovative technologies and the expansion of the state's transport network to improve the travel experience for citizens.

Shaktikanta Das Receives A+ in Central Bank Report Card 2024

Reserve Bank of India (RBI) Governor Shaktikanta Das has been awarded an A+ grade in the Central Bank Report Cards 2024, marking his second consecutive year of recognition. The accolade, presented by Global Finance in Washington, D.C., highlights his effective leadership in managing key areas such as inflation control, economic growth, and currency stability. Under his tenure, India's foreign exchange reserves have expanded by \$311 billion, positioning the country as the second-largest accumulator of foreign reserves globally. Das's leadership has been instrumental in strengthening India's banking sector, enhancing profitability, and ensuring capital stability.

Chiranjeevi Receives ANR Award from Amitabh Bachchan

At the ANR National Awards 2024, Amitabh Bachchan honoured Telugu film legend Chiranjeevi with the prestigious award, recognizing his lifetime contributions to cinema. The event, organized by the Akkineni International Foundation, celebrated the legacy of late actor-producer Akkineni Nageswara Rao. Bachchan praised Chiranjeevi's influence on the film industry and acknowledged the Telugu cinema's cultural significance. In a gesture of respect, Chiranjeevi touched Bachchan's feet after receiving the award. Bachchan also expressed his admiration for Telugu cinema's creativity and hospitality, highlighting the growing collaboration between regional and Bollywood industries.

Sri Sri Ravi Shankar Honoured with Fiji's Highest Civilian Award

Sri Sri Ravi Shankar, founder of The Art of Living Foundation, was honored with Fiji's highest civilian award, the "Honourary Officer of the Order of Fiji," in recognition of his global efforts in promoting peace, unity, and community upliftment. Presented by Fiji's President, Ratu Wiliame M. Katonivere, the award highlights his significant humanitarian contributions. During his visit, Sri Sri engaged with Fijian leaders, including Deputy Prime Minister Viliame Gavoka, to discuss initiatives supporting youth empowerment and mental health in Fiji. He has received similar honours from five other countries for his global impact.

AIFF Wins AFC Grassroots Football Silver Award

The All India Football Federation (AIFF) received the AFC President's Recognition Award for Grassroots Football (Silver) at the AFC Annual Awards in Seoul on October 29, 2024. Advancing from last year's bronze, the honour recognizes AIFF's sustainable grassroots programs and initiatives like the Khelo India program and the FIFA-AIFF Academy in Bhubaneswar. AIFF's Blue Cubs initiative, targeting 35 million children by 2026, aims to expand football's reach nationwide. This achievement reflects AIFF's commitment to nurturing talent, fostering inclusivity, and promoting Indian football at grassroots and international levels.

Francis Ford Coppola to Receive 50th AFI Life Achievement Award

Oscar-winning filmmaker Francis Ford Coppola will be honoured with the 50th AFI Life Achievement Award on April 26, 2025, at Hollywood's Dolby

Theatre. At 86, Coppola is celebrated for his iconic contributions, including *The Godfather* trilogy and *Apocalypse Now*. The award highlights his enduring legacy despite recent challenges with his latest film, *Megalopolis*. As a mentor and founder of American Zoetrope, Coppola's influence extends across generations. Proceeds from the event will support the American Film Institute's initiatives, emphasizing the significance of his work in advancing the art of cinema.

Anil Pradhan Wins Rohini Nayyar Prize 2024

Anil Pradhan, co-founder of the Young Tinker Foundation, received the **Rohini Nayyar Prize 2024** for his impactful work in rural development through STEM education. The Odisha-based engineer, 28, empowers underserved students with innovation labs and mobile labs, fostering creativity in robotics and 3D printing. Presented by R. A. Mashelkar, the award honours leaders under 40 transforming rural India. Pradhan's initiatives, now expanding to Telangana and Tamil Nadu, challenge stereotypes about rural life, reflecting Rohini Nayyar's legacy in poverty alleviation.

Samantha Harvey Wins Booker Prize for Fiction with *Orbital*

British author Samantha Harvey has won the **Booker Prize for Fiction 2024** for her novel *Orbital*, a compelling narrative set on the International Space Station (ISS). Dubbed a "space pastoral," the novel explores Earth's fragility and humanity's deep connection to the planet through the eyes of six astronauts observing 16 sunrises and sunsets in a single day. Inspired by confinement during the COVID-19 pandemic, Harvey's work reflects on environmental interdependence and human impact on Earth. *Orbital*, praised for its brevity and profound insight, earned Harvey 50,000 and critical acclaim, marking her as the first British winner since 2020 and the first female winner since 2019.

Phillip Noyce Honoured with Satyajit Ray Lifetime Achievement Award

Renowned Australian filmmaker Phillip Noyce, acclaimed for classics like *Clear and Present Danger*, *Salt*, and *Rabbit-Proof Fence*, will receive the prestigious Satyajit Ray Lifetime Achievement Award at the 55th International Film Festival of India (IFFI) in Goa, from November 20-28, 2024. Recognized for his mastery in suspenseful storytelling and cultural impact, Noyce joins a legacy of celebrated filmmakers. This year's IFFI features over 180 films from 81 countries, with Australia as the Country of Focus, and emphasizes young and emerging filmmakers.

Manoj Bajpayee's *The Fable* Wins Best Film at Leeds International Film Festival

Manoj Bajpayee's *The Fable* has won the Best Film award at the 38th Leeds International Film Festival, triumphing in the Constellation Feature Film Competition. Directed by Raam Reddy, the film blends magical realism with themes of colonialism and labour, captivating the jury with its lyrical storytelling. *The Fable*, a US-Indian co-production, follows Dev as he confronts mysterious fires on his family estate in the Indian Himalayas. The film's win highlights Indian cinema's growing recognition on the global stage, following previous honours like the Special Jury Prize at the 2024 MAMI Mumbai Film Festival.

PM Modi Awarded "Grand Commander of the Order of Niger"

Prime Minister Narendra Modi was honoured with the "Grand Commander of the Order of Niger" by President Bola Ahmed Tinubu of Nigeria. Modi becomes the second foreign leader, after Queen Elizabeth, to receive this prestigious award. It recognizes his leadership and efforts in strengthening India-Nigeria relations and promoting the Global South. During the visit, three MoUs were signed, and India pledged 20 tonnes of relief supplies for Nigerian flood victims. Modi also highlighted India's growing influence and its support for the African Union's inclusion in the G20.

Victoria Kjaer Theilvig Makes History as Denmark's First Miss Universe

Victoria Kjaer Theilvig, a 21-year-old from Soborg, made history by winning Denmark's first-ever Miss Universe at the 73rd pageant in Mexico, surpassing 125 contestants, including India's Rhea Singha. A Miss Denmark winner and Miss Universe Denmark 2024, she advocates for mental health and animal welfare while aspiring to be a lawyer and entrepreneur. Her victory marks a milestone for Denmark, celebrating intelligence, elegance, and global leadership. Chidimma Adetshina from Nigeria and Maria Fernanda Beltran from Mexico were the runners-up.

Indira Gandhi Peace Prize 2023: Honouring Barenboim and Awwad

The Indira Gandhi Peace Prize 2023 was awarded to Daniel Barenboim, a renowned pianist and conductor, and Ali Abu Awwad, a Palestinian peace activist, for their efforts in fostering peace and non-violence. Barenboim was recognized for using music to bridge cultural divides, while Awwad was honoured for promoting dialogue between Palestinians and Israelis

through his organization, Roots. Their work reflects Indira Gandhi's vision of peace and humanity, as celebrated through this annual award, which carries 1 25 lakh and a citation for outstanding contributions to peace, disarmament, and development.

-: December :-

2024 Champions of the Earth

Award	Awardee
Policy Leadership	Sonia Guajajara
Inspiration and Action	Amy Bowers Cordalis
Inspiration and Action	Gabriel Paun
Science and Innovation	Lu Qi
Lifetime Achievement	Madhav Gadgil
Entrepreneurial Vision	SEKEM Initiative

UNESCO Asia-Pacific Awards 2024

Award	Awardee
Award of Distinction Temple Conservation	Abathsahayeswarar Project, Tamil Nadu
Award of Merit	BJPCI Conservation Project, Mumbai

Miss India USA 2024

Award	Awardee
Miss India USA	Caitlin Sandra Neil
Mrs. India USA	Sanskriti Sharma
Miss Teen India USA	Arshita Kathpalia
First Runner-Up (Miss India USA)	Nirali Desia
Second Runner-Up (Miss India USA)	Manini Patel
First Runner-Up (Mrs. India USA)	Sapna Mishra
Second Runner-Up (Mrs. India USA)	Chinmayee Ayachit
First Runner-Up (Miss Teen India USA)	Dhriti Patel
Second Runner-Up (Miss Teen India USA)	Sonali Sharma

Filmfare OTT Awards 2024

Category	Award	Winner
Series Category	Best Series	The Railway Men
	Best Director Series	Sameer Saxena and Amit Golani (Kaala Paani)
	Best Actor, Series (Male): Comedy	Rajkummar Rao (Guns & Gulaabs)
	Best Actor, Series (Male): Drama	Gagan Dev Riar (Scam 2003 - The Telgi Story)
	Best Actor, Series (Female): Comedy	Geetanjali Kulkarni (Gullak Season 4)
	Best Actor, Series (Female): Drama	Manisha Koirala (Heeramandi: The Diamond Bazaar)
	Best Supporting Actor, Series (Female): Comedy	Nidhi Bisht (Maamla Legal Hai)
	Best Supporting Actor, Series (Female): Drama	Mona Singh (Made In Heaven Season 2)
	Best Original Story, Series	Biswapati Sarkar (Kaala Paani)
	Best Comedy (Series/Specials)	Maamla Legal Hai
	Best (Non-Fiction) Original (Series/Special)	The Hunt For Veerappan
	Best Dialogue, Series	Sumita Arora (Guns & Gulaabs)
	Best Production Design, Series	Subrata Chakraborty and Amit Ray (Heeramandi: The Diamond Bazaar)
	Best Debut Director, Series	Shiv Rawail (The Railway Men)
Films Category	Best Film, Web Original	Amar Singh Chamkila
	Best Director, Web Original Film	Imtiaz Ali (Amar Singh Chamkila)
	Best Actor, Web Original Film (Male)	Diljit Dosanjh (Amar Singh Chamkila)
	Best Actor, Web Original Film (Female)	Kareena Kapoor (Jaane Jaan)
	Best Supporting Actor, Web Original Film (Male)	Jaideep Ahlawat (Maharaj)
	Best Supporting Actor, Web Original Film (Female)	Wamiqa Gabbi (Khufiya)
	Best Dialogue (Web Original Film)	Imtiaz Ali and Sajid Ali (Amar Singh Chamkila)
	Best Cinematographer (Web Original Film)	Sylvester Fonseca (Amar Singh Chamkila)
	Best Production Design (Web Original Film)	Suzanne Caplan Merwanji (The Archies)
	Best Editing (Web Original Film)	Aarti Bajaj (Amar Singh Chamkila)
	Best Background Music (Web Original Film)	A R RAHMAN (Amar Singh Chamkila)
	Best Story (Web Original Film)	Zoya Akhtar, Arjun Varain Singh, Reema Kagti (Kho Gaye Hum Kahan)
	Best Music Album, Film	A R RAHMAN (Amar Singh Chamkila)
	Best Debut Director, Film	Arjun Varain Singh (Kho Gaye Hum Kahan)
Best Debut Male, Film	Vedang Raina	
Critics Category	Best Series, Critics	Guns & Gulaabs
	Best Director, Critics	Mumbai Diaries Season 2
	Best Actor, Series (Male), Critics: Drama	Kay Kay Menon (Bambai Meri Jaan)
	Best Actor, Series (Female), Critics: Drama	Huma Qureshi (Maharani S03)
	Best Film, Critics	Jaane Jaan
	Best Actor (Male), Critics - Film	Jaideep Ahlawat
	Best Actor (Female), Critics - Film	Ananya Panday
Special Recognition	Arjun Varain Singh (Kho Gaye Hum Kahan)	

13th tve Global Sustainability Film Awards (GSFA) 2024

Award	Awardee
Transforming Society Short Film Category	The Kumbaya Story
Young Filmmakers Category	GOBUK - Harmony in the Highlands
Founder's Award (Feature Category)	NAWI (Kenya)
Founder's Award (Docu-Feature Category)	500 Days in the Wild (Canada)

The 34th Vyas Samman 2024

Award	Awardee
34th Vyas Samman 2024	Suryabala (for the novel <i>Kaun Des Ko Vasi: Venu Ki Diary</i>)

Science and Technology

-: January :-

ISRO Launches XPoSat for Cosmic X-Ray Study

- **Mission:** XPoSat launched aboard PSLV-C58.
- **Purpose:** India's first mission to study polarisation of cosmic X-rays
- **Launch Site:** Satish Dhawan Space Centre, Sriharikota.
- **Global Achievement:** India becomes second after the U.S. to launch a dedicated astronomy observatory.
- **Additional Payloads:** Ten scientific payloads launched.
- **Mission Duration:** XPoSat's mission life is five years.

Google DeepMind Introduces Mobile ALOHA Humanoid System

- **Innovation:** Mobile ALOHA, a system for mobile manipulation with low-cost teleoperation.
- **Advancement:** Enhances mobility and dexterity, building on DeepMind's ALOHA.
- **Purpose:** Addresses limitations of traditional tabletop manipulation learning.
- **Company:** Google DeepMind, an AI lab founded in 2010 and acquired by Google in 2014

IITs Madras, Kanpur Develop Process to Recycle Iron Ore Waste

- **Innovation:** IIT Madras and Kanpur developed a process to recycle iron ore waste.
- **Waste Issue:** Iron ore processing produces slime (particles < 0.15mm) that is discarded.
- **Collaboration:** Partnered with NMDC and JSW Steel to convert slime into iron-rich materials.
- **Process Benefit:** Microwave-assisted method cuts energy use and emissions.
- **Project:** Part of IMPRINT INDIA, under the Union Ministry of Education.

Microsoft Adds AI Button to Keyboards

- **Innovation:** Microsoft introduces an AI button on PC keyboards to launch its chatbot, in partnership with OpenAI.
- **Key Change:** The AI button replaces the right "CTRL" or menu key on some laptops.
- **Significance:** This is Microsoft's biggest keyboard redesign since the 1990s Windows key.

- **Logo:** The AI button will feature the Copilot logo and be near the space bar.
- **Comparison:** Similar to Apple's Command key and Google's AI button on Chromebooks.

ArcelorMittal Partners with IIT Madras for Asia's First Hyperloop Facility

- **Partnership:** ArcelorMittal teams up with IIT Madras to build Asia's first Hyperloop test track.
- **Teams Involved:** The project involves IIT Madras' Avishkar Hyperloop team and TuTr Hyperloop start-up.
- **Support:** ArcelorMittal and AM/NS India provide steel materials and engineering expertise.
- **Location:** The test track will be at IIT Madras' Discovery Campus in Chennai.
- **Background:** ArcelorMittal's XCarb Innovation Fund supports decarbonisation technologies in India.

India to Launch GSAT-20 on SpaceX Falcon 9

- NewSpace India Ltd (NSIL) will launch GSAT-20 on SpaceX's Falcon 9 rocket.
- GSAT-20 (renamed GSAT-N2) is a high-throughput Ka-band satellite.
- Provides high-speed broadband internet and digital video/audio transmission.

LG Launches World's First Wireless Transparent OLED TV

- LG introduces the wireless transparent OLED TV, LG Signature OLED T.
- The display appears to vanish when turned off, maintaining 4K resolution with self-lit pixel technology.
- OLED technology is more efficient than LCDs as it doesn't need a backlight.
- LG Electronics is headquartered in Yeouido-dong, Seoul, South Korea.

Microsoft Launches AI Odyssey to Train 1 Lakh Developers in India

- Microsoft launches AI Odyssey to train 1 lakh developers in India on AI technologies.
- Open to all AI enthusiasts, the month-long program has two levels to complete by January 31, 2024.

China's Einstein Probe Satellite

- The 1.45-ton, lotus-shaped Einstein Probe (EP) uses lobster-eye inspired X-ray tech.

- Launched from Xichang, it aims to observe cosmic events like supernovae and black holes.
- The satellite has 12 X-ray telescopes and two follow-up modules for in-depth analysis.

ISRO's New Distress Alert Transmitter

- ISRO developed a second-gen Distress Alert Transmitter (DAT) for fishermen.
- It enables real-time emergency messaging and confirmation.
- Over 20,000 units in use since 2010.
- Messages are sent via satellite to the Indian Mission Control Centre, then forwarded to rescue centers.

Japan's 'Moon Sniper' Landing

- Japan's "Moon Sniper" craft achieved a precise lunar landing despite engine issues.
- Japan became the fifth country to land on the Moon, after the U.S., Soviet Union, China, and India.
- The Smart Lander for Investigating Moon (SLIM) aimed to land within 100 meters.
- Previous attempts by Japan, including 2022 and 2023, faced failures.

NASA Unveils Supersonic Aircraft

- NASA's X-59 breaks the sound barrier without a sonic boom.
- It produces a quieter "thump," similar to a car door slamming.
- Top speed: 1.4 times the speed of sound (1,488 km/h).

CMFRI to Develop Lab-Grown Fish Meat

- CMFRI and Neat Meatt Biotech collaborate on lab-grown fish meat, focusing on species like kingfish and pomfret.
- Global smart protein investments hit \$3.1 billion in 2020; market expected to reach \$290 billion by 2035.
- CMFRI will handle genetic research; Neat Meatt will focus on production scaling.

Neuralink Implants Brain Chip in First Human

- **Historic Achievement:** Neuralink has implanted its first brain chip, "The Link," marking progress in brain-computer interfaces.
- **Medical Use:** The chip may treat epilepsy, Parkinson's, and spinal injuries, and restore motor functions.
- **Advanced Tech:** A coin-sized device implanted under the skull using robotic surgery.



- **Future Goals:** Focus on medical uses, AI-human link, and cognitive upgrades.
- **Safety Focus:** Ensures safety tests and addresses surgery and ethical concerns.

-: February :-

Oleg Kononenko Sets Space-Time Record

- **Historic Milestone:** Oleg Kononenko surpasses Gennady Padalka's 878-day record in space.
- **Achievement Timing:** The record was broken at 0830 GMT, confirmed by Roscosmos.
- **Upcoming Goals:** Kononenko aims to reach 1,000 days by June and 1,110 days by September.
- **Legacy:** At 59, he strengthens Russia's role in space exploration.

NASA Finds Super-Earth in Habitable Zone

- **TOI-715 b Found:** NASA's TESS discovers a rocky super-Earth 137 light-years away, 1.5 times Earth's size.
- **Habitable Zone:** The planet orbits in the "Goldilocks" zone, ideal for liquid water.
- **TESS Role:** TESS detects exoplanets by observing their transits across stars.
- **Future Studies:** JWST will study TOI-715 b's atmosphere for signs of habitability.
- **Life Search:** The discovery highlights red dwarf stars as key in the hunt for life.

NASA Launches PACE Mission to Study Oceans and Atmosphere

- **Launch:** NASA's PACE mission launched on February 8, 2024, via SpaceX Falcon 9.
- **Ocean Study:** PACE monitors phytoplankton to understand climate impact and CO2 absorption.
- **Atmospheric Research:** It analyzes aerosols' effect on air quality and climate.
- **Global Collaboration:** Data will be shared globally to aid climate research.
- **Practical Impact:** PACE will help predict algal blooms, extreme weather, and improve air quality monitoring.

IIT Jammu's Sound-Based Anti-Drone System

- **Innovation:** Sound-based system detects drones using acoustic signatures.
- **Affordable:** Costs Rs 4 lakh, cheaper than traditional methods.
- **Security:** Targets drones used in illegal activities.
- **Easy Use:** Simple deployment, no training needed.
- **Scalable:** Detects drones, aircraft, and birds within 300 meters.

Microsoft & iCreate Launch iMPEL-AI

- **Launch:** iMPEL-AI program empowers 1100 AI innovators in India.
- **Focus:** Addresses key sectors like healthcare, education, and sustainability.
- **Support:** 100 startups get global development and market support.
- **Skilling:** 11,000 innovators receive Microsoft AI training and certifications.

America's Odysseus Spacecraft Lands on the Moon

- **Historic Achievement:** First commercial soft landing on the lunar surface by Odysseus spacecraft.
- **Lunar Site:** Landed near Malapert A, close to the moon's south pole.
- **Technological Triumph:** Overcame communication challenges before successful touchdown.
- **Global Milestone:** Follows India's Chandrayaan-3 mission, signaling global interest in lunar exploration.

IIT Guwahati Launches India's Largest Drone Training Hub

- **Collaboration:** IIT Guwahati and EduRade launch India's largest Remote Pilot Training Organisation (RPTO).
- **Capacity:** 9 medium drones flying simultaneously on 18 acres.
- **Training:** Offers DGCA-Certified Drone Pilot courses for youth, women, and defence personnel.
- **Courses:** Provides diverse drone tech programs for skill development.
- **Vision:** Supports India's goal to become a global drone hub by

Giant Anaconda Discovered in Amazon

- **Record-Breaking:** The *Eunectes akajima* anaconda is 26 feet long and weighs 200 kg.
- **Predator:** Known for swift hunting, it swallows prey whole.
- **Genetic Find:** 5.5% genetic difference from the green anaconda.
- **Amazon Wonder:** Discovery adds to the Amazon's rich biodiversity.

Scientists Achieve First Laser-Cooled Positronium

- **Breakthrough:** Successful laser cooling of Positronium from 380 K to 170 K.
- **Team:** AEGIS collaboration at CERN led by Sadiq Rangwala from Raman Research Institute.

- **Positronium:** Hydrogen-like atom made of an electron and positron, ideal for quantum electrodynamics (QED) testing.
- **Implications:** Key step for understanding matter-antimatter interactions and advancing QED research.

PM Modi Launches ISRO's Second Spaceport

- **Location:** Kulasekarapattinam, Tamil Nadu.
- **Cost:** 950 crore, focusing on small satellite launches.
- **Advantages:** Efficient, fuel-saving satellite launches.
- **Collaboration:** Tamil Nadu government support, 100% FDI for private sector.
- **Impact:** Boosts local economy, creates jobs, and strengthens ISRO's capabilities.
- **Future:** Supports Gaganyaan mission and satellite market growth.

IIT Madras Launches Investor Info & Analytics Platform

- **Inauguration:** By Union Minister Rajeev Chandrasekhar and Prof. Thillai Rajan A.
- **Features:** Hub for VCs, investors, schemes; AI-powered navigation; Startup GPT for real-time queries.
- **Data:** Info on 2,00,000+ startups, 11,000 investors, and more.
- **Collaboration:** Developed by CREST, supported by IIT Madras, Govt. of India, and YNOS Venture Engine.

-: March :-

Iran Launches 'Pars 1' Satellite from Russia

- Iran launched "Pars 1" for remote sensing from Russia's Vostochny Cosmodrome.
- The satellite orbits at 310 miles and supports Iran's space technology efforts.
- Western nations express concerns over military potential.
- Launch follows growing Russo-Iranian cooperation in space.
- Iran insists on civilian space goals amidst international tensions.

Three New Moons Discovered Orbiting Uranus and Neptune

- Three moons found around Uranus (1) and Neptune (2) using telescopes.
- Uranus now has 28 moons, Neptune has 16.
- Discovery offers insights into solar system formation.
- Identified through global collaboration and long-exposure photography.

- Moons will be named after Shakespearean characters (Uranus) and Nereid sea goddesses (Neptune).

SpaceX Launches MethaneSAT to Monitor Emissions

- **Purpose:** Tracks methane leaks to combat climate change.
- **Orbit:** 360 miles above Earth, orbits 15 times daily.
- **Impact:** Detects hidden emissions, promoting accountability.
- **Collaboration:** Involves EDF, New Zealand Space Agency, Google, and others.
- **Goal:** Provides data to reduce methane emissions globally.

ISRO Prepares for Chandrayaan-4 Lunar Mission

- **Mission Details:** Includes five modules: Propulsion, Descender, Ascender, Transfer, and Re-entry.
- **Launch Phases:** Two-phase launch; LVM-3 for first phase, PSLV for second phase.
- **New Approach:** First ISRO mission using two launch vehicles for one mission.
- **Main Objectives:** Safe landing, sample collection, rising from the lunar surface, and return to Earth with samples.
- **Key Focus:** Scientific study of moon samples.

New Scorpion Species Discovered in Thailand

- **Discovery:** Found in Kaeng Krachan National Park, Thailand, under a rock.
- **Species Name:** Euscorpions Krachan, belonging to the Euscorpions subgenus.
- **Features:** Brownish, small size, 8 eyes, and 8 legs; females darker than males.
- **Hunting Behaviour:** Likely ambush or sit-and-wait foraging.
- **Limited Distribution:** High endemism, found only in the specific area.

SpaceX Starship Test Flight Failure

- **Overview:** Starship launched from Texas, reaching 145 miles altitude.
- **Failure:** Disintegrated during re-entry; re-ignition test failed.
- **Successes:** Stage separation, payload door, and propellant transfer worked.
- **Missed Goals:** Failed Super Heavy rocket recovery.
- **Future:** Six more test flights planned, pending approval.

Discovery of Noctis Volcano on Mars

- Noctis Volcano is 29,600 feet tall and 450 km wide, south of Mars' equator.
- Its ancient activity provides insights into Mars' geological and biological history.
- Buried glacier ice near the base hints at past water and potential habitability.
- It lies near Valles Marineris, making it a prime target for exploration.
- Volcanic regions may reveal clues about life, with hydrothermal systems like Earth's.

SAKHI: Support for Gaganyaan Crew

- VSSC's SAKHI app aids Gaganyaan astronauts with health tracking, technical support, mission logs, and communication.
- Monitors key health parameters, ensuring well-being during the mission.
- Supports seamless communication with Earth and access to vital mission data.
- Gaganyaan mission aims for a three-day Low Earth Orbit flight, using the LVM3 launch vehicle.
- India will become the fourth country to independently conduct human spaceflight.



Gaia's Discovery of Ancient Star Streams Shiva & Shakti

- Gaia telescope uncovers two ancient star streams, Shiva and Shakti, formed 12 billion years ago.
- Streams have unique orbits and chemical compositions, providing insights into early galactic formation.
- Positioned near the galaxy's center, they originated from fragments that merged in the galaxy's early history.
- Streams are named after Hindu deities Shiva and Shakti, reflecting their distinct characteristics.
- Upcoming Gaia data may offer deeper insights into galaxy dynamics and star clusters.

IIT Guwahati Transfers Swine Fever Vaccine Tech to BioMed Pvt.

- IIT Guwahati transfers recombinant vector vaccine tech to BioMed Pvt. to combat swine fever.
- The vaccine uses a reverse genetic platform and addresses a major gap in India's vaccine supply.
- Common outbreaks have occurred in northeastern states and other regions.
- Developed through collaboration with Assam Agricultural University.

- BioMed Pvt. will handle further development, testing, and commercialization.

ISRO's START 2024 Program to Inspire Youth

- ISRO's START 2024 program will be held in April-May, targeting space science and technology.
- Open to PG and final-year UG students in physical sciences and technology.
- Institutes must submit EOIs by April 2, with student registration from April 8-12.
- The program aims to inspire youth for careers in space science and innovation.
- Supports ISRO's goal of fostering scientific curiosity nationwide.



-: April :-

TASL Launches India's First Privately-Built Surveillance Satellite

- TASL and Satellogic launched TSAT-1A, India's first privately-built sub-metre resolution satellite, on April 7, 2024, aboard SpaceX's Falcon 9 rocket.
- TSAT-1A offers 0.5-0.8 meter resolution imagery, targeting government and defense sectors, with future plans for commercial clients.
- TASL aims to expand satellite services and collaborate with ISRO for future launches.

GUJCOST Designated Nodal Centre for ISRO's START Programme

- GUJCOST is the Nodal Centre for ISRO's START programme, offering online space science training.
- The programme includes live classes and support from regional centers in Rajkot, Patan, Bhavnagar, and Bhuj.
- The first course, "Exploration of Solar System," runs from April 24 to May 10, 2024, with registration open until April 19.

Chandrayaan-4: ISRO's Lunar Mission Plans

- Chandrayaan-4 targets a manned moon landing by 2040.
- Part of ISRO's broad space portfolio, including rocket and satellite projects.
- Milestones: Chandrayaan-3's South Pole landing, Aditya-L1, and Gaganyaan human spaceflight.

SPACE: India's Sonar Testing Hub

- DRDO launches SPACE facility in Kerala for sonar system testing.
- Key for Anti-Submarine Warfare and naval defense.

- Includes floating/submersible platforms and advanced data analysis.
- Inaugurated on April 17, 2024.

Largest Stellar Black Hole Discovered

- Astronomers find 'BH-3', a black hole 33 times the Sun's mass, 2,000 light-years away.
- Discovered using ESA's Gaia Observatory through its effect on a star.
- It's the largest stellar black hole found in our galaxy.

Meta Launches AI Assistant Powered by Llama 3

- Meta AI enhances WhatsApp, Instagram, Facebook, and Messenger.
- Expands to 12+ countries.
- Features real-time image creation with "Imagine."
- Future integration with Meta Quest VR and Ray-Ban smart glasses.

Clouded Tiger Cat: New Species Discovered in Brazil

- The clouded tiger cat (*Leopardus pardinoides*) has been discovered in Brazil's rainforests.
- Small, with a spotted coat for camouflage, it differs genetically from other tiger cats.
- Found in cloud forests from Costa Rica to Argentina, it faces threats from deforestation and hunting.
- Urgent conservation efforts are needed to protect this species and its habitat.

Satellite Insights: Expansion of Glacial Lakes in the Indian Himalayas

- **Data Findings:** Over 30 years, 676 of 2,431 lakes expanded, with 130 in India, mainly in the Indus, Ganga, and Brahmaputra basins.
- **Risks:** Expanding glacial lakes pose Glacial Lake Outburst Flood (GLOF) risks.
- **Elevation:** Significant expansion occurs between 4,000-5,000 meters and above 5,000 meters.
- **Lake Types:** Majority are Moraine-dammed lakes.
- **Case Study:** Ghepang Ghat Lake grew by 178% in three decades.

NASA's Solar-Powered Spacecraft: Pioneering Solar Sail Technology

- NASA launched the Advanced Composite Solar Sail System from New Zealand using Rocket Lab's Electron rocket.
- The spacecraft uses solar energy for propulsion with a 80-square-meter sail.
- The mission aims to demonstrate orbit-raising and lowering using sunlight pressure.

- Solar sail technology offers a cost-effective and sustainable way for future space missions.
- NASA's Alan Rhodes says solar sails provide limitless propulsion, reducing fuel needs.

Unlocking Phi-3-mini: Microsoft's AI Breakthrough

- Phi-3-mini outperforms larger models in reasoning and efficiency.
- With 3.8 billion parameters, it excels in language, coding, and math.
- It's optimized for developers to build AI apps with fine-tuned features.
- Unlike larger models, it works well in resource-limited environments.
- ITC uses it in the Krishi Mitra app, driving AI innovation.

China Launches Shenzhou-18 to Tiangong Station

- Shenzhou-18 launched with three astronauts for a six-month mission at the Tiangong space station.
- Crew: Ye Guangfu, Li Cong, and Li Guangsu, focusing on scientific experiments and maintenance.
- They will join the Shenzhou-17 crew already aboard.
- China aims for a crewed Moon landing by 2030.
- US faces delays in Artemis III mission due to technical issues.

IIT Guwahati Launches 3D Printed Dummy Ballot Unit

- IIT Guwahati and SVEEP unveiled a 3D-printed dummy ballot unit to educate voters.
- Aimed at new voters and senior citizens, enhancing confidence in the voting process.
- Features sound and light indicators for an interactive experience.
- Made from eco-friendly PLA material for sustainability.
- Supported by Kamrup Deputy Commissioner Keerthi Jalli to boost democratic participation.

-: May :-

IIT Guwahati Launches 3D Printed Dummy Ballot Unit

- **Collaboration:** IIT Guwahati and SVEEP introduce a 3D-printed dummy ballot unit to educate voters.
- **Goal:** Simplify voting and increase confidence, especially among new voters and seniors.
- **Design:** Eco-friendly PLA unit with interactive features like sound and light indicators.
- **Support:** Kamrup DC Keerthi Jalli endorses the initiative to boost democratic participation.

- **SVEEP's Role:** Supports voter education and awareness through various communication channels.

Sunita Williams: Indian-Origin Astronaut's Third Space Mission

- **Mission:** Williams' third mission to ISS, testing Boeing's Starliner spacecraft.
- **Launch:** May 7, 8:04 am IST, aboard Atlas V from Cape Canaveral.
- **Objective:** Starliner's first crewed flight after two unmanned tests.



- **Achievements:** Holds the record for the most spacewalk time by a female astronaut.
- **Background:** NASA astronaut since 1998, Williams has contributed significantly to space exploration.

World's Deepest Blue Hole Unveiled in Mexico

- **Discovery:** TaamJa' Blue Hole reaches 1,380 feet, surpassing the previous record by 480 feet.
- **Exploration:** Advanced technology revealed its depth, though obstacles prevented reaching the bottom.
- **Potential:** Researchers speculate undiscovered marine life in its extreme environment.
- **Future:** Exploration continues despite hazardous conditions.

Setu Launches Sesame: India's First BFSI-Focused LLM

- **Launch:** Setu unveils Sesame, India's first BFSI LLM, developed with Sarvam AI.
- **Event:** Introduced at Adbhut India, hailed as a "ChatGPT moment" for BFSI.
- **Features:** Sesame enhances credit underwriting, fraud detection, and financial advisory.
- **Data:** Utilizes India's digital infrastructure for data-driven financial decisions.
- **Founders:** Sarvam AI, founded by Vivek Raghavan and Pratyush Kumar, raised \$41M.

ISRO Develops Semi-Cryogenic Engine

- **Goal:** Enhance LVM3 payload with a 2,000 kN thrust engine using liquid oxygen and kerosene.
- **Milestone:** Successful ignition of the pre-burner at ISRO Propulsion Complex.
- **Fuel:** First use of Triethylaluminum and Triethyl Boron for ignition.

- **Next:** Testing the engine powerhead and semi-cryo stage with 120 tons of propellant.

NASA Plans Lunar Railway: FLOAT System

- **Goal:** NASA's FLOAT (Flexible Levitation on a Track) will transport payloads on the Moon.
- **Tech:** Magnetic robots levitate on a 3-layer flexible track, minimizing dust wear.
- **Capacity:** Moves 100 tons daily at 1.61 km/h.
- **Purpose:** Facilitates material and equipment transport for lunar missions, supporting NASA's Artemis program.
- **Development:** Designed by NASA's Jet Propulsion Laboratory.

NASA and JAXA Continue XRISM Mission Despite Glitch

NASA and JAXA will continue the XRISM mission, despite a valve malfunction affecting one instrument. Launched in September 2023, XRISM aims to conduct X-ray astronomy observations. Despite technical and budget challenges, the mission moves forward with ongoing science operations.

Key Points:

- **NASA:** Founded July 29, 1958; Administrator Bill Nelson
- **JAXA:** Founded October 1, 2003; Head Yamakawa Hiroshi

Google Arts & Culture Launches "Millets: Seeds of Change" Exhibition

- **Collaboration:** Google Arts & Culture with India's Ministry of Agriculture & Farmers Welfare.
- **Focus:** Traces the evolution of millets from ancient staples to modern superfoods.
- **Key Features:** Showcases millet varieties, culinary uses, and their role in climate resilience.
- **Notable Contributions:** Includes recipes from Chef Thomas Zacharias.
- **Interactive:** Quizzes and crosswords for an engaging experience.
- **Availability:** Accessible on Google Arts & Culture website and app (iOS/Android).

Microsoft's €4 Billion AI & Cloud Investment in France

- **Investment:** €4 billion (\$4.3 billion) in AI and cloud infrastructure.
- **Goals:** Train 1 million people and support 2,500 startups by 2027.
- **Partnership:** €15 million investment in Paris-based Mistral AI.

- **Strategic Timing:** Announced during Macron's "Choose France" summit.
- **Global Expansion:** Also investing €3.2 billion in Germany and \$1.5 billion in Abu Dhabi.
- **Concerns:** Facing antitrust scrutiny over AI and cloud investments.

Mangalyaan-2: India's Mars Mission

- **Goal:** ISRO to land a rover and helicopter on Mars, making India the third nation to do so.
- **Landing:** Rover to use a sky crane for safe touchdown, inspired by NASA's Perseverance.
- **Helicopter:** Mars helicopter to study the atmosphere with scientific tools.
- **Communication:** Relay satellite to maintain Earth-Mars connection.
- **Launch:** Mission will use ISRO's LVM3 rocket.
- **India's Space Growth:** Mangalyaan-2 builds on India's 2013 Mars success.

Blue Origin's NS-25 Mission: Gopi Thotakura Becomes First Indian Space Tourist

- Gopi Thotakura, an Indian entrepreneur, becomes the first Indian space tourist on Blue Origin's NS-25 mission.
- Other crew members include Ed Dwight, the first Black astronaut in space.
- The mission marks Blue Origin's return to space tourism and aims for future lunar exploration.



Noise Acquires SocialBoat to Enhance Smart Ring Innovation

- **Acquisition:** Noise acquires women's wellness platform SocialBoat to boost smart ring technology.
- **AI Integration:** SocialBoat uses AI to offer personalized wellness insights, focusing on fitness, nutrition, and menstrual health.
- **Luna Ring Upgrade:** The acquisition enhances the Luna Ring with advanced AI-powered health tracking and insights.
- **Women's Wellness Focus:** The integration aims to provide women with better, data-driven health recommendations.
- **Innovation Drive:** Noise continues to lead in wearable tech by combining AI with specialized health analytics for personalized user experiences.

Microsoft Launches AI-Powered 'Copilot+' PCs with Unique Features

- **AI Integration:** Microsoft unveils 'Copilot+' PCs that run AI tasks locally, featuring a unique 'Recall' function to track user activities.
- **Voice Assistant:** Copilot+ includes a real-time AI assistant, showcased in Minecraft for enhanced user experience.
- **New Devices:** Surface Pro and Laptop now feature Qualcomm Arm-based chips and Prism technology for cross-platform compatibility.
- **Market Goals:** Microsoft projects 50 million AI PCs sold in the next year, targeting a 20% market share.

NASA Discovers Ongoing Volcanic Activity on Venus

- **Volcanic Evidence:** Magellan mission finds recent lava flows on Venus.
- **Study Details:** Radar data reveals eruptions at Sif Mons and Niobe Planitia.
- **Earth Comparison:** Lava formations similar to recent eruptions on Earth.
- **Future Missions:** VERITAS will map Venus's surface with higher resolution.

-: June :-

Lunar Timekeeping Plan

- **Goal:** Unified lunar time system for global missions under Artemis.
- **Importance:** Enables coordination for international and private lunar operations.
- **Challenges:** 29.5-day lunar cycle, no natural reference, communication delays.
- **Solutions:** Use UTC or create a moon-specific time scale.
- **Future:** NASA-ESA tech advancements for Artemis' 2024 moon landing.

Nvidia Rubin AI Chip Platform

- **Launch:** Rubin platform, including GPUs, CPUs, and networking processors, set for 2026.
- **Annual Releases:** New chips every year to stay ahead in AI innovation.
- **Market Dominance:** Reinforces Nvidia's 80% share in the AI chip market.
- **Industry Impact:** Addresses growing AI demands with upgraded GPUs, CPUs, and high-bandwidth memory.
- **Vision:** Transform AI capabilities and adoption across industries.

Boeing's Starliner Crewed Mission

- **Launch:** June 5, 2024, at 10:52 a.m. ET, Cape Canaveral, Florida.
- **Crew:** Butch Wilmore and Suni Williams heading to the ISS.
- **Objective:** Validate Starliner for NASA's Commercial Crew Program.
- **Milestone:** Williams is the first woman on Starliner's debut crewed flight.
- **Vision:** Establish reliable, routine ISS transport operations.

ISRO's PraVaHa Software

- **Purpose:** CFD tool for aerodynamic design and analysis of aerospace vehicles.
- **Capabilities:** Simulates airflow for launch vehicles, re-entry vehicles, and Crew Modules, aiding structural and TPS design.
- **Applications:** Supports human-rated Gaganyaan components like HLVM3 and Crew Escape Systems.
- **Advancements:** Enables accurate, fast simulations on CPU/GPU for unsteady aerodynamics.
- **Vision:** Enhance aerospace self-reliance, replacing commercial software for design simulations.

IIT Dharwad Fire Rescue Drone

- **Development:** Built by IIT Dharwad team with TiHAN Foundation funding.
- **Capabilities:** Uses thermal imaging for fire tracking and hotspot detection.
- **Applications:** Helps in fire rescue and crowd management in public spaces.
- **Design:** Compact drone with fire-tested shields and soot-resistant sensors.
- **Vision:** Advances IITs' legacy of solving societal challenges.



Volvo's EV Battery Passport

- **Launch:** World's first EV battery passport for the flagship EX90 SUV.
- **Details:** Tracks raw materials, components, recycled content, and carbon footprint.
- **Access:** Simplified version available via a QR code inside the driver's door.
- **Objective:** Boosts transparency and awareness of EV supply chains.
- **Compliance:** Aligns with EU rules requiring battery passports by February 2027.

Nvidia Becomes 2nd Most Valuable Company

- **Valuation:** Surpasses Apple at \$3.012 trillion.
- **Stock Surge:** Shares up 5.2%, with a stock split on June 7.
- **AI Dominance:** Leads in AI chip demand, attracting major investments.
- **Growth:** 147% stock increase in 2024, \$150 billion added in one day.
- **Outlook:** Analysts expect continued growth, with Nvidia challenging Microsoft.

Dhruva Space's Thybolt Satellites Complete 15,000 Orbits

- **Success:** Thybolt-1 & Thybolt-2 completed 15,000 orbits and deorbited.
- **Launch:** Launched via ISRO's PSLV C54 in Nov 2022.
- **Payload:** Store-and-Forward for remote communication.
- **Platforms:** Built on P-DoT (1-24 kg), P30, and P90.
- **Manufacturing:** Built in Hyderabad with 20 MSMEs.
- **Future:** LEAP-1 mission with P-30 platform.
- **Funding:** Raised \$9.3M, \$14M Series A total.
- **Expansion:** New 280,000 sq-ft facility.

Nvidia Becomes World's Most Valuable Company

- **Achievement:** Nvidia surpasses Microsoft to become the world's most valuable company with a \$3.335 trillion market cap.
- **Stock Surge:** Shares rose 3.5% to \$135.58 on June 18.
- **Company Overview:** Nvidia designs GPUs, APIs for data science, and AI hardware/software.
- **AI Dominance:** Controls 80% of the AI chip market for data centers.
- **Past Focus:** Initially focused on gaming chips, now integral to AI development.
- **Growth:** Stock surged 182% in 2024 after a 300% rise in 2023.
- **Investor Impact:** A \$10,000 investment in 1999 is now worth \$59.1 million.

NASA, SpaceX Launch GOES-U Satellite

- **Launch:** GOES-U lifted off on June 27 from Kennedy Space Center via SpaceX Falcon Heavy.
- **Purpose:** Improves weather monitoring across the Americas, the Caribbean, and parts of Africa.
- **Key Feature:** Features Compact Coronagraph-1 (CCOR-1) for faster solar flare forecasts, reducing delays from 8 hours to 30 minutes.
- **Impact:** Enhances climate monitoring, disaster preparedness, and early solar flare warnings.

-: July :-

BRIC-THSTI hosted SYNCHN 2024

Translational Health Science and Technology Institute (THSTI) an institute of Biotechnology Research and Innovation Council (BRIC), Department of Biotechnology, Government of India hosted a successful industry meet, SYNCHN 2024 (Synergy in science built through elements of collaboration for high quality data & expertise in NCR Biotech Cluster), on 14 July, 2024 in its campus. This event brought together stakeholders from the biotechnology industry, including representatives from startups, established companies, and policymakers. This event aimed to strengthen academia-industry collaborations in the NCR Biotech Cluster, focusing on advancing biomanufacturing and bio-innovation.

Japan introduced new Yen banknotes

Japan introduced its first new banknotes in two decades featuring the world's pioneering use of advanced 3D holography. This update to the ¥10,000, ¥5,000 and ¥1,000 notes incorporates advanced anti-counterfeiting technologies and features prominent historical figures. This latest update is effective from 3 July, 2024.

High Speed Expendable Aerial Target 'ABHYAS' successfully completed developmental trials

The Defence Research and Development Organisation (DRDO) has successfully completed six consecutive developmental trials of High Speed Expendable Aerial Target (HEAT) 'ABHYAS' with improved booster configuration from the Integrated Test Range, Chandipur, Odisha. With this, ABHYAS has successfully completed 10 developmental trials demonstrating the system's reliability.

Japan launched Earth Observation Satellite 'ALOS-4'

The Japan Aerospace Exploration Agency (JAXA) launched an earth observation satellite Advanced Land Observing Satellite-4 'DAICHI-4' (ALOS-4) on 1 July aboard the H3 launch vehicle off the coast of Kyushu, Japan. The satellite was successfully placed to the Lower Earth Orbit.

India developed new explosive 'SEBEX-2'

India has achieved a significant milestone in defence technology with the development and certification of SEBEX 2, a new explosive that is 2.01 times more lethal than standard TNT (Trinitrotoluene). Sebex-2 has been developed by Economic Explosives Limited (EEL), Nagpur. This high-performance explosive, evaluated

and certified by the Indian Navy, represents one of the most powerful non-nuclear explosives globally.

C-DAC partners with MosChip and Socionext

Centre for Development of Advanced Computing (C-DAC) has partnered with MosChip Technologies, India and Socionext Inc. for the design and development of a High-Performance-Computing (HPC) Processor SoC (System-on-a-chip) called AUM. The AUM processor is based on the Arm technology and built on TSMC (Taiwan Semiconductor Manufacturing Company Limited) 5nm technology node.

Europe successfully launched Ariane 6 rocket

After 4 years of delay, the Ariane 6 rocket was successfully launched despite its several setbacks. Restoring the continent's independent access to space the rocket lifted from Kourou, French Guiana then released into orbit. The rocket had 3 microsattellites that were installed for research purposes.

World To Witness first Indian in Space and Other Indian in Deep Sea by 2025

Union Science and Technology Minister, Dr. Jitendra Singh announced that the world will witness first Indian in Space and other Indian in Deep Sea by 2025. He told that four astronauts - three Group Captains and one Wing Commander have been selected for India's 1st Human Space Mission, Gaganyaan.



Aditya-L1 spacecraft completed its first halo orbit

India's first solar mission Aditya-L1 spacecraft completed its first halo orbit around the Sun-Earth L1 point on 2 July, 2024. The spacecraft in the halo orbit takes 178 days to complete a revolution around the L1 point.

About Aditya-L1 spacecraft :

- The Aditya-L1 mission is an Indian solar observatory at Lagrangian point L1.
- It was launched on 2 September, 2023 and was inserted in its targeted halo orbit on 6 January, 2024.

SERA and Blue Origin offer space flight for Indian citizens

The US-headquartered Space Exploration and Research Agency (SERA), in partnership with the Jeff Bezos-

owned rocket company, Blue Origin, announced India as a 'Partner Nation' in its human flight program for citizens. The Agency wants to democratize space flight, taking citizens from countries that have never sent an astronaut to space or sent very few. Under this partnership, SERA will offer citizens from across the world six seats on a future mission of New Shepard, Blue Origin's reusable suborbital rocket.

New Shepard will fly the selected astronauts on an 11-minute journey past the Kármán line (100 km), the internationally recognised boundary of space.

ISRO announced Bharatiya Antariksh Hackathon for the inaugural National Space Day

On 4 July, Chairman of ISRO, Dr. S. Somanath announced the launch of Bharatiya Antariksh Hackathon as part of the first ever National Space Day celebration. The hackathon will be focused on geospatial domains, space science, image processing, and AI/ML.

About National Space Day:

India has achieved the safe and precise soft landing of the 'Vikram' Lander near the southern polar region of the moon and the successful deployment of Pragyaan Rover on the surface of the moon on 23 August, 2023. To commemorate the feat, the Hon'ble Prime Minister has announced 'National Space Day' to be celebrated on 23rd August every year.

NASA set to launch Habitable Worlds Observatory telescope

In an attempt to find habitable planets by 2050, NASA is set to launch the Habitable Worlds Observatory (HWO) in 2040. The HWO will detect signals from planets in the habitable zones of sun-like stars within our lifetime.

About HWO:

- It is a unique telescope dubbed 'Super Hubble'.
- It is capable of detecting a range of 'biosignatures' emitted by living organisms and discovering inhabited planets by 2050.

Russia to build independent space station by 2033

Yury Borisov, the head of Roscosmos, has approved a comprehensive schedule for the creation of the Russian Orbital Station (ROS) by 2033. The first research and energy module for the ROS will be launched in 2027. This will be followed by the deployment of the universal nodal, gateway, and baseline modules. The project will then enter its second stage from 2031 to 2033.

Türkiye successfully launched first indigenous communication satellite

Türkiye's first indigenously developed communication satellite, Türksat 6A, successfully launched by a Turkish Armed Forces Foundation company, ASELSAN onboard a SpaceX Falcon 9 rocket from Cape Canaveral Space Force Station in Florida on 9 Jul, 2024. Operating in geostationary orbit, Türksat 6A is designed to support military and commercial users. The satellite has a 15-year lifespan, features Ku- and X-band payloads provided by Aselsan, and is expected to orbit at 42° east orbital position.

France, Germany, Italy and Poland agree to jointly develop long-range cruise missiles

France, Germany, Italy and Poland signed a Letter of Intent on 11 July to develop ground-launched cruise missiles with a range beyond 500 km (310 miles), aiming to fill the gap in European arsenals exposed by Russia's war in Ukraine. The LoI was signed during North Atlantic Treaty Organization (NATO)'s 75th anniversary summit held in Washington DC, USA.

Zen Tech launched four new defence products

Zen Technologies, an anti-drone technology and Defence training solutions provider, along with its Pune-based AI Turing Technologies, has launched four new products to enhance defence capabilities and operational efficiency. The company

The new products – Hawkeye, Barbarik-URCWS (Ultralight Remote Control Weapon Station), AI powered robot- Prahasta and Sthir Stab 640 – cater to a wide range of defence requirements, empowering the forces with tactical superiority and improved operational efficiency.

Dhruva Space received authorisation for Ground Station as a Service

Hyderabad-based space engineering solutions provider Dhruva Space has been granted authorisation by the Indian National Space Promotion and Authorisation Center (IN-SPACe) to provide Ground Stations as a Service (GSaaS). The company has designed and developed six ground stations in Very High Frequency (VHF) and Ultra High Frequency (UHF) bands and two ground stations in S and/or X bands. The authorisation will enable it to offer critical ground support, enabling real-time satellite communication and control.

ISRO released detailed undersea map of Ram Setu

The scientists of Indian Space Research Organisation (ISRO) with the help of NASA's ICESat-2 satellite has released a detailed map of Ram Setu or Adam Bridge. The map was released Scientists from ISRO's Jodhpur and Hyderabad National Remote Sensing Centre. According to the Optical satellite imagery verification, the pathway is 99.98% submerged in water. The bridge is 29 meters long and 8 meters above the seabed. The released map is of a 10-metre resolution map created after 6 years of data collected. This bridge is located between Mannar Island, off the northwest coast of Sri Lanka and Rameswaram Island, in India.

NASA created history with discovery of 6 new exoplanets

NASA has achieved a significant milestone by the discovery of six new exoplanets, pushing the total number of confirmed planets beyond our solar system to 5,502. The six new exoplanets are HD 36384 b, TOI-198 b, TOI-2095 b, TOI-2095 c, TOI-4860 b, and MWC 758 c.

Characteristics of the Newly Discovered Exoplanets:

- **HD 36384 b:** It is a super-Jupiter orbiting an M giant star nearly 40 times the size of the Sun.
- **TOI-198 b:** It is potentially rocky planet, located on the inner edge of its star's habitable zone.
- **TOI-2095 b and TOI-2095 c:** Both these exoplanets are hot super-Earths orbiting the same M dwarf star.
- **TOI-4860 b:** It is a rare 'hot Jupiter', completing an orbit every 1.52 days around an M dwarf star.
- **MWC 758 c:** It is a giant protoplanet orbiting a young star with a protoplanetary disk, offering insights into early planetary formation.

About the discovery of Exoplanets:

- Approximately 31 years ago, in 1992, scientists confirmed the first exoplanets when they detected twin planets, Poltergeist and Phobeter, orbiting the pulsar PSR B1257+12.
- By March 2022, the number of discovered exoplanets surpassed the 5,000 mark.

China launched new Gaofen-11 high resolution satellite

China added a fifth Gaofen-11 high resolution satellite to its China High-definition Earth Observation System (CHEOS) constellation with a launch on 19 July. China's new high resolution optical earth observation satellite Gaofen-11 (05) launched into space onboard

Long March 4B rocket from Taiyuan Satellite Launch Center, north China. The launch marked the 528th flight mission of the Long March carrier rocket series and China's 33rd orbital mission of 2024.

The satellite will be used in a variety of fields including land surveys, urban planning, road network design, crop yield estimation and disaster relief.

ESA's mission to asteroid Apophis

European Space Agency has announced its to begin preparatory work for the Rapid Apophis Mission for Space Safety (Ramses), aimed at studying asteroid 99942 Apophis. Ramses will rendezvous with the asteroid 99942 Apophis and accompany it through its safe but exceptionally close flyby of Earth in 2029. Researchers will study the asteroid as Earth's gravity alters its physical characteristics. Their findings will improve our ability to defend our planet from any similar object found to be on a collision course in the future. Apophis is about 375 meters across, will pass within 32,000 km of Earth on 13 April, 2029.

China unveiled World's first Carbon Fiber High-Speed Train

China has shown off a revolutionary passenger train made of only carbon fiber, a material that makes it much lighter and more energy-efficient than conventional trains. This is a big step forward in high-speed rail technology. The metro train, known as Cetrovo 1.0 or the Carbon Star Rapid Transit, was unveiled in Qingdao, in the eastern province of Shandong, on 17 July.



About Carbon Fiber Train:

- The train is so much lighter than old steel trains and smog levels will drop by a large amount.
- It is planned that the carbon fiber train will reach speeds of up to 87 mph and use 7% less energy than regular steel trains.

-: August :-

ISRO conducted experimental flight test of air-breathing propulsion system:

Indian Space Research Organisation (ISRO) successfully carried out the second experimental flight for the demonstration of Air Breathing Propulsion Technology from the Satish Dhawan Space Centre in Sriharikota. The experiment utilised ISRO's RH-560 sounding rocket, the heaviest in its sounding rocket family, as a cost-effective flying test bed. The Air Breathing Propulsion systems were symmetrically mounted on either side of the rocket, showcasing ISRO's

innovative approach to testing advanced technologies. Nearly 110 parameters were monitored during the flight to assess its performance.

Team of International astronomers discover a 'Super-Jupiter' Giant Exoplanet :

An international team of astronomers including Prashant Pathak, Assistant Professor of Department of Space, Planetary and Astronomical Sciences & Engineering (SPASE), IIT Kanpur, discovered 'Epsilon Indi Ab', a giant planet orbiting a nearby star similar to the Sun in the Solar System. The exoplanet, named Epsilon Indi Ab (Eps Ind Ab), is classified as a 'super-Jupiter' due to its mass, which is at least six times greater than that of Jupiter. This is the first mature exoplanet discovered using direct imaging.

China to launch world's first thorium molten salt Nuclear Power Station :

China plans to build the World's first thorium molten salt nuclear power station in Gobi Desert, China by 2025. With this China is set to revolutionize nuclear power, which offers safety and sustainability.

Instead of Uranium, this nuclear power station uses thorium as fuel. Its reactor does not need water for cooling because it utilizes liquid salt or carbon dioxide to transfer heat and make electricity. Unlike the water-cooling model, this design significantly reduces the chances of meltdowns.

Thorium as a fuel:

- Thorium is a naturally occurring element with radioactivity. It is found at trace levels in soil, rocks, water, plants and animals.
- Due to its physical characteristics, thorium cannot be used directly to produce nuclear energy. It has to be first converted to U-233 in a nuclear reactor.
- It has abundant supply unlike Uranium.
- It is chemically as well as environmentally safe.

Two Indian Astronauts selected for Axiom-4 Mission :

On 2 August, Indian Space Research Organisation announced that National Mission Assignment Board has shortlisted two astronaut-designates for the upcoming Axiom-4 mission to the International Space Station. Indian astronauts Group Captain Shubhanshu Shukla and Group Captain Prasanth Balakrishnan Nair have been selected to go to the US to train for the mission. Group Captain Shukla will be the prime mission pilot and Group Captain Nair will be his back up.

About Axiom-4 Mission:

- Axiom Mission 4 (or Ax-4) is a private spaceflight to the International Space Station.
- It is operated by Axiom Space and uses a SpaceX Crew Dragon spacecraft.
- The flight is in collaboration with NASA and will be the fourth flight of Axiom Space after Axiom Mission 1, Axiom Mission 2 and Axiom Mission 3.

IAF granted clearance to DRDO, BDL for Astra Missiles production :

Indian Air Force has given clearance to public sector firm Bharat Dynamics Limited for the production of 200 Astra Mark 1 air-to-air missiles. The Astra Mark 1 missiles have been developed by the Defence Research and Development Organisation with BDL as its production agency. The production clearance was given during a visit by the Indian Air Force Deputy Chief Air Marshal Ashutosh Dixit to Hyderabad. The missiles will be integrated on both the Russian-origin Su-30 as well as the indigenous LCA Tejas fighter aircraft after production.

About Astra Mark-1 Missile:

- Astra Mk-1 is an indigenously developed Beyond Visual Range (BVR) class of air-to-air missile system.
- The missile is designed to engage and destroy highly manoeuvring supersonic aircraft.
- It has a range of 80-110 km reaching Mach 4.5 speed.

China launched new high-orbit internet-services satellite :

China launched a new high-orbit internet-services satellite 'Weixing Hulianwan Gaogui-02 (WHG-02)' into space on 1 August from the Xichang Satellite Launch Center in southwest China's Sichuan Province. The satellite was launched aboard a Long March-3B carrier rocket and entered its preset orbit successfully. The launch marks the 529th flight mission of the Long March carrier rocket series.

About Weixing Hulianwan Gaogui-02:

- The satellite was developed by China Academy of Space Technology.
- This is the second High orbit internet satellite launched by China.

Dhruva Space partnered with ZES for its OBC Subsystem :

Space engineering solutions provider Dhruva Space has announced collaboration with Singaporean Space

semiconductor manufacturer Zero-Error Systems (ZES) to advance the capabilities of its On-Board Computer (OBC) subsystem. The collaboration was consolidated during the 38th Annual Small Satellite Conference, held at USA. The collaboration will focus on integrating the Singaporean cutting-edge semiconductor technology, LDAP-IC-ZES100, into Dhruva's onboard computer (OBC) subsystem.

China to launch Satellite Constellation to rival Starlink :

Shanghai Spacecom Satellite Technology (SSST) launched the first batch of 18 satellites for the Low Earth Orbit communications mega constellation named 'Qianfan', formerly known as aimed at rivaling US company SpaceX's Starlink Internet network.

-: September :-

SpaceX's Polaris Dawn made history with first private spacewalk :

SpaceX's Polaris Dawn mission has made history by becoming the first private civilians on 12 September, 2024. In commercial space exploration, it is also the highest orbit a crewed spacecraft has reached since the Apollo era. The spacewalk ended after an hour and 46 minutes, following cabin re-pressurisation. Led by billionaire Jared Isaacman, the crew includes pilot Scott Poteet, mission specialist Sarah Gillis, and mission specialist & medical officer Anna Menon. They used a Falcon 9 rocket and Crew Dragon capsule for a 2-hour spacewalk and test new spacesuits.

India launched its first reusable hybrid rocket 'RHUMI-1' :

India launched its first reusable hybrid rocket 'RHUMI-1', developed by the Tamil Nadu-based start-up Space Zone India in collaboration with Martin Group, from Thiruvaidandhai in Chennai on 24 August, 2024.



The rocket powered by a hybrid motor using a generic fuel and features an electrically triggered parachute deployer, was carrying 3 Cube Satellites and 50 PICO Satellites. It was launched into a suborbital trajectory using a mobile launcher. These satellites will be collecting data for research purposes on Global warming and Climate change.

About RHUMI Mission:

- ❖ It comprises RHUMI series of rockets, including RHUMI-1, RHUMI-2 and RHUMI-3. They are designed to cover a specific range of altitudes from 1 km to 500 km.

- ❖ The mission is led by the founder of Space Zone India (SZI), Anand Megalingam, under the mentorship of Dr. Mylswamy Annadurai, former Director of ISAC.

NASA's Underwater Robots to monitor Ice Shelf Melting :

NASA engineers are creating underwater robots to track ice shelf melting in Antarctica. Developed by NASA's Jet Propulsion Laboratory, these robots will gather data to enhance sea level rise predictions. Tested in the Arctic, the robots will drift beneath ice shelves, recording data for up to a year before sending it via satellite. This effort aims to better understand and address climate change impacts. It will give engineers a chance to operate their prototype robot in the Arctic

Planet launched First Tanager-1 and 36 SuperDoves with SpaceX :

Planet Labs PBC has successfully launched the company's first hyperspectral satellite, Tanager-1, along with 36 SuperDoves (Flock 4BE) into orbit during the Transporter-11 Rideshare mission with SpaceX, which lifted off from Vandenberg Space Force Base on 16 August, 2024. Tanager-1 is expected to remain operational until 2029.

About Tanager-1 :

- ❖ Tanager-1 is developed by the Carbon Mapper Coalition, a philanthropically-funded effort to develop and deploy satellites designed to detect and track methane and CO₂ super-emitters at a level of granularity needed to support direct mitigation action.
- ❖ It combines Planet's cutting-edge agile aerospace and smallsat bus technology with the state-of-the-art imaging spectrometer design developed at NASA's Jet Propulsion Laboratory (JPL).
- ❖ The satellite is named after vibrant tanager bird native to Central and South America.

Axiom Space and Nokia partner to develop 4G Technology for spacesuits:

Nokia and Axiom Space has collaborated to incorporate high-speed cellular-network capabilities in the Axiom Extravehicular Mobility Unit (AxEMU), supporting HD video, telemetry data and voice transmission over multiple kilometers on the Moon. This advancement will enable Artemis III crewmembers to capture real-time video and communicate with mission controllers on Earth while they explore the lunar surface.

The two companies will develop 4G/LTE communications technologies, called the Lunar Surface

Communications System (LSCS), for the suits Axiom is developing for NASA for use starting on the Artemis 3 mission not earlier than late 2026.

FWDA announced successful maiden flight of India's first combat unmanned aircraft :

Bengaluru-headquartered Flying Wedge Defence and Aerospace (FWDA) announced the successful maiden flight of indigenous unmanned bomber aircraft, the FWD 200B. Classified as a Medium Altitude (15,000 feet) Long Endurance (MALE) Unmanned Aerial Vehicle (UAV), the FWD 200B is equipped with optical payloads for surveillance and missile-like weapons for air strikes and bombing missions.

The FWD 200B is expected to provide India with long-range strike capabilities and the ability to operate in high-risk environments without endangering humans.

ISRO to launch first Base Module of Bharatiya Antariksh Station by 2028 :

ISRO is planning to launch its first module of Bharatiya Antariksh Station (BAS-1), India's own space station by 2028. The BAS will have 5 modules. The station will be assembled in a phased manner and ISRO aims to establish it by 2035.

About the first module :

- ❖ The first module with a mass of 9186 kg robotic module will lack human re-entry capabilities.
- ❖ This will be the smallest of all the 5 modules, which can fit into Launch Vehicle Mark-3 (LVM-3).

India successfully test-fired Agni-4 Ballistic Missile :

India successfully launched the Agni-4 ballistic missile from the Integrated Test Range (ITR) in Chandipur, Odisha, on 6 September, 2024. The successful test was carried out under the aegis of the Strategic Forces Command.

About Agni-4 Missile :

- ❖ Agni-4 is the 4th missile of the Agni series designed and developed by DRDO.
- ❖ It is a long-range, surface-to-surface ballistic missile with range of 4,000 kilometre, capable of carrying nuclear warheads.
- ❖ It is built with and indigenous-built ring laser gyro inertial navigation system with redundant micro inertial navigation and digital control system.

NSPL to set up India's first Earth Observation Satellite Constellation :

NIBE Space Pvt. Ltd. (NSPL), a subsidiary of NIBE

Limited, on 8 September announced its ambitious vision to establish India's first multi-sensor, all-weather, high-revisit Earth Observation Satellite Constellation. It aims to strengthen India's self-reliance in the strategically crucial defence-space sector. For this, NSPL has signed agreements with several Indian and global partners, including Larsen & Toubro, Centum, AgniKul, Skyroot Aerospace, SpaceFields, SISIR Radar, CYRAN AI Solutions, and Thales Alenia Space.

Iran launched Second Satellite of 2024

Iran successfully launched its 'Chamran-1' research satellite into orbit, marking its second satellite launch of the year. The satellite was carried by the Qaem-100 satellite carrier, a solid-fuel, three-stage launcher developed by the Islamic Revolutionary Guard Corps (IRGC). Chamran-1's mission is to test orbital maneuvering technology, further advancing Iran's aerospace program.

Google DeepMind's Morni AI to Digitally Empower 125 Indic Languages

Google DeepMind's Morni AI project aims to support 125 Indic languages and dialects, including 73 with no existing digital data. The initiative includes Project Vaani, which has collected over 14,000 hours of speech data from 58 languages to address the lack of digital data. Google Translate has also expanded to include 110 new languages, including five Indian ones. Additionally, Google is developing a digital agri-stack to support agricultural practices and data management.

-: October :-

India Achieves Criticality in Third Home-Built 700 MWe Nuclear Reactor

- India's third home-built 700 MWe nuclear reactor achieved criticality at the Rajasthan Atomic Power Project.
- It's part of a series of Pressurised Heavy Water Reactors (PHWRs) by the Nuclear Power Corporation of India Limited (NPCIL).
- The reactor uses natural uranium and heavy water, meeting Atomic Energy Regulatory Board (AERB) standards.
- NPCIL operates 24 reactors with a capacity of 8,180 MWe and has eight more under construction.
- RAPP-7 is the third of 16 indigenous 700 MWe PHWRs, following two that began operations at Kakrapar Atomic Power Station.

Indian Astronaut Shubhanshu Shukla to Pilot Axiom-4 Mission to ISS

- Group Captain Shubhanshu Shukla of the Indian Air Force will pilot the Axiom-4 mission to the International Space Station (ISS) in 2025.
- The Ax-4 mission follows a bilateral agreement between India and the US, announced during Prime Minister Modi's visit to the US.
- Shukla and backup astronaut Prashanth Nair will join an international crew, including astronauts from Poland and Hungary.
- As pilot, Shukla will manage navigation, docking, and emergency training.
- The crew will train at NASA, SpaceX, ESA, and JAXA, using SpaceX's Falcon 9 rocket and Dragon spacecraft.
- Ax-4 aims to spend up to 14 days at the ISS, fostering international collaboration in space exploration.



Tech Mahindra Partners with University of Auckland for AI and Quantum Research

- **Collaboration:** Tech Mahindra teams up with the University of Auckland to innovate in AI, machine learning, and quantum computing.
- **Focus Areas:** Key sectors include healthcare, banking, and government, emphasizing spiking neural networks and quantum security.
- **Research Initiatives:** Joint research will merge academic insights with industry applications, including internships.
- **Impact:** The partnership boosts Tech Mahindra's presence in New Zealand and promotes academic collaboration.
- **University Profile:** The University of Auckland ranks 65th globally and serves over 46,000 students.

PM Modi Launches Three PARAM Rudra Supercomputers

- **Launch Date:** On September 26, 2024 PM Narendra Modi virtually launched three PARAM Rudra supercomputers.
- **Investment:** The project involved a total investment of Rs. 850 crore, with each supercomputer costing Rs. 130 crore.
- **Deployment Locations:** The systems are located in Pune, Delhi, and Kolkata, enhancing scientific research capabilities.
- **Objectives:** These supercomputers will support research in various fields, including astronomy,

material science, and physics.

- **Self-Reliance:** Modi emphasized the importance of self-reliance in technology and high-performance computing.
- **Missed Visit:** Modi cancelled his planned visit to Pune due to heavy rains.

Women in Space Leadership Programme Initiative

- **Launch:** Women in Space Leadership Programme (WiSLP) by DST and British Council.
- **Purpose:** Promote gender-inclusive practices and women's leadership in space sciences.
- **Objectives:** Build mentoring networks and enhance innovation in astrophysics and telecommunications.
- **Delivery Partner:** Coventry University, England.
- **Remarks:** Dr. Vandana Singh and Michael Houlgate stress collaboration and representation in STEM.
- **Foundational Pillars:** Focus on intersectionality, culturally sensitive approaches, and leadership confidence for women.
- **Workshop:** Held in New Delhi to tailor the leadership framework for women in academic leadership in space sciences.



Sunita Williams Takes Command of ISS for the Second Time

- **Historic Command:** Sunita Williams, NASA astronaut of Indian origin, takes command of the ISS for the second time.
- **Transition of Command:** Russian cosmonaut Oleg Kononenko handed over command to Williams in a ceremony.
- **Mission Duration:** Williams and Butch Wilmore have been on the ISS since June 5, 2024 after launching aboard Boeing's Starliner.
- **Extended Stay:** Their eight-day mission was extended due to technical issues; they plan to return in February 2025.
- **Return Plan:** NASA will use the SpaceX Crew Dragon for their safe return.
- **Experienced Astronaut:** This is Williams's second command of the ISS; she previously led during Expedition 33 in 2012.
- **Veteran Status:** Sunita Williams is recognized for her extensive experience in space exploration.

Earth's New Mini Moon: Asteroid 2024 PT5

- **Mini-Moon:** Asteroid 2024 PT5 will orbit Earth from September 29 to November 25, 2024.
- **Size:** It measures 33 feet wide and is invisible to the naked eye.
- **Discovery:** Found by NASA's Atlas system on August 7, 2024, from the Arjuna asteroid belt.
- **Visibility:** Requires professional telescopes; online images expected.
- **Orbit:** Will pass 2.8 million miles away at 22,000 mph.
- **Future Return:** Expected back in Earth's orbit around 2055.
- **Significance:** Highlights the solar system's dynamic nature and need for ongoing monitoring.

NASA's SpaceX Crew-9 Launches to ISS

- **Launch:** September 28, 2024, from Cape Canaveral.
- **Crew:** Nick Hague and Aleksandr Gorbunov, five-month mission.
- **Research:** Over 200 experiments on blood clotting and plant growth.
- **Highlights:** Ninth commercial crew rotation; ISS crew increased to 11.
- **Return:** February 2025.
- **Importance:** Supports Artemis programme; prepares for deep space.
- **ISS Overview:** Collaborative space lab, inhabited since 2000, orbits at 400 km.

WHO Certifies India's Trachoma Elimination

- **Certification:** WHO confirms India eliminated trachoma.
- **Significance:** India joins Nepal, Myanmar, and 19 others.
- **Start:** Efforts began in 1963 with the National Trachoma Control Programme.
- **Methods:** Included surgeries, antibiotics, and WASH initiatives.
- **Results:** Trachoma prevalence dropped from 4% (2005) to 0.008% (2018).
- **Strategy:** SAFE approach validated by WHO: Surgery, Antibiotics, Facial cleanliness, Environmental improvement.
- **Next Steps:** India plans post-validation surveillance to maintain success.

India's Lunar Polar Exploration Mission (Lupex) Approved

- **Approval:** India's fifth lunar mission approved.
- **Collaboration:** Joint project of ISRO and JAXA.
- **Objectives:** Explore lunar water resources in polar regions.

- **Duration:** Operates for up to 100 days.
- **Rover and Lander:**
Rover: 350 kg; ISRO builds the lander.
- **Focus:** Target permanently shadowed areas.
- **Instruments:** Includes radar and spectrometers.
- **Future Impact:** Supports upcoming lunar missions and cooperation.

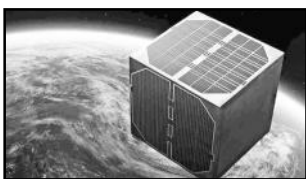
-: November :-

Meta & India AI Partner to Drive Open-Source AI in India

Meta, IndiaAI, and MeitY have launched initiatives to advance open-source AI, including a Generative AI Center at IIT Jodhpur and an "AI for Skilling and Capacity Building" program. The Generative AI Center, named Shrijan, will tackle issues in healthcare, mobility, and education, while the skilling program aims to train 100,000 young Indians in AI and large language models through courses and hackathons. Meta has pledged Rs 750 lakhs over three years, partnering with institutions like AIIMS Jodhpur to boost indigenous AI research, supporting India's goal of a sustainable and robust AI ecosystem.

World's First Wooden Satellite, LignoSat, Pioneers Sustainable Space Tech

Japan launched LignoSat, the world's first wooden satellite, created by Kyoto University and Sumitomo Forestry to test timber's viability for space structures. Made from durable honoki wood, LignoSat orbits Earth for six months, withstanding extreme space conditions to assess wood's durability and radiation resistance. The project envisions wood as an eco-friendly, renewable material for future space habitats, reducing space debris due to its natural decomposition. This NASA-certified initiative aligns with global sustainability goals, marking a significant step toward sustainable materials in space exploration.



NASA and Microsoft Launch Earth Copilot Copilot for Easy Access to Geospatial Data

NASA and Microsoft have introduced **Earth Copilot**, an AI-powered chatbot designed to simplify access to NASA's extensive geospatial data. Built on Microsoft's Azure cloud, the tool allows users to retrieve complex Earth Science insights through plain-language queries, enabling efficient analysis of climate trends, disaster impacts, and urban planning data. Currently in its prototype phase, Earth Copilot will integrate with NASA's VEDA platform, making advanced geospatial

information accessible to researchers, educators, and policymakers. This collaboration empowers diverse user groups to make informed decisions on critical global issues like climate change and disaster readiness.

SpaceX to Launch India's GSAT-20 Communication Satellite

SpaceX will launch India's GSAT-20 communication satellite on November 19, 2024, from Cape Canaveral, USA. Weighing 4,700 kg, the satellite, developed by ISRO, will enhance communication services, including internet for remote areas. Due to its weight, ISRO's LVM-3 rocket is not suitable, so SpaceX's Falcon-9, capable of carrying up to 8,300 kg, was chosen. This marks a shift in India's satellite launch strategy, as SpaceX replaces Arianespace, offering a reliable, cost-effective solution. The satellite is expected to remain operational for 14 years.

-: December :-

Amazon Launches Nova AI Models

- **Nova Models:** Handle text, images, and videos for content creation.
- **Speed & Cost:** 75% faster and cheaper than previous models.
- **Variants:** Micro, Lite, Pro, with Premier in 2025.
- **Future Plans:** Speech-to-speech and multimodal models.
- **API Integration:** Available via Amazon Bedrock.
- **Competitive:** Competing with OpenAI, Meta, and Adobe.

ISRO's PSLV-C59 Launches ESA's Proba-3

- **Date:** December 5, 2024.
- **Mission:** ESA's Proba-3 to study the Sun's corona and solar weather.
- **Orbit:** 600 km to 60,000 km, 59-degree inclination.
- **Satellites:** Occulter blocks Sun's light; Coronagraph studies the corona.
- **Key Feature:** Formation flying, satellites 150m apart for solar eclipse effects.
- **Significance:** Enhances understanding of solar activity and space weather risks.



Wisdom, 74, Lays Egg After 4 Years

- **Species:** Laysan albatross.
- **Age:** 74 years.
- **Egg:** Laid first egg in 4 years at Midway Atoll.

- **New Mate:** Male incubating the egg.
- **Legacy:** Laid 50-60 eggs, raised 30 chicks, symbolizing wildlife conservation.

Google's GenCast AI Outperforms Weather System

- **Model:** GenCast by Google DeepMind.
- **Performance:** Surpasses ECMWF's ENS in accuracy, especially for 15-day forecasts.
- **Advantage:** Uses probabilistic forecasting for better predictions.
- **Impact:** More accurate for extreme weather, outperforming traditional methods 97.2% of the time.

Aditya L1 and Proba-3 Collaborate for Solar Research in 2025

- **Partnership:** India's Aditya L1 and ESA's Proba-3 will study the Sun's corona.
- **Key Instruments:** Aditya L1's VELC and Proba-3's ASPIICS coronagraphs.
- **Mission:** Synchronized solar observations starting in 2025.
- **Progress:** Proba-3 begins solar studies in March 2025.

New Damselfish Species Found in Maldives

- **Discovery:** Chromisabadhah found in the Maldives' mesophotic coral reefs.
- **Collaboration:** International team of scientists.
- **Physical Traits:** Pearly white with blue undertones, reflective scales.
- **Habitat:** Spanning 180 km from Lhaviyani to Dhaalu Atoll.
- **Impact:** Highlights deep-sea biodiversity and conservation needs.

Google and NCERT Launch YouTube Channels in 29 Languages

- Free educational content for grades 1-12 in 29 languages, including Sign Language.
- AI enhances learning with relevant explanations and resources.
- NPTEL offers IIT certification courses.
- Part of Google's 'Google for India' initiative to boost AI literacy.
- Fellowship with Rocket Learning to create an AI tutor for young children.

IIT Madras Completes 410-Meter Hyperloop Test Track

- IIT Madras finishes 410-meter Hyperloop test track, advancing India's high-speed transport.
- Collaboration with Indian Railways, IIT's Avishkar team, and startup TuTr.
- Hyperloop targets speeds up to 1,100 km/h, reducing travel time.
- First phase includes an 11.5 km track; full-scale plans for Mumbai-Pune corridor.
- Avishkar team of 76 students led the development.
- TuTr provides system design and integration expertise.

Google Unveils 'Willow' Quantum Chip

- Willow achieves exponential error correction and unmatched speed.
- Completes tasks in 5 minutes that would take supercomputers 10 septillion years.
- Potential uses in drug discovery, clean energy, and cryptography.
- Uses qubits for simultaneous processing, unlike classical computing.
- Experts note scaled-up quantum computers are still years away.
- Willow marks a decade of Google's quantum research.

What is 'Disease X'?

- Disease X surfaced in the DRC in October 2024, showing flu-like symptoms.
- 406 cases, 143 deaths (mainly children).
- Malnutrition complicates diagnosis.
- WHO is investigating the cause and spread.
- Outbreak concentrated in remote Kwango province with limited access.
- Immediate action needed to prevent further spread and future pandemics.

ISRO Successfully Tests CE20 Cryogenic Engine

- On December 12, 2024, ISRO tested its CE20 cryogenic engine in Mahendragiri, Tamil Nadu.
- The test, on November 29, 2024, confirmed the engine's restart and multi-element igniter.
- The Nozzle Protection System solved flow separation issues.
- The CE20 boosts India's space missions, enabling heavier payloads.

- This success supports future projects like Gaganyaan with a 22-tonne thrust upgrade.

China Sets Spacewalk Record

- Astronauts Cai Xuzhe and Song Lingdong completed a 9-hour spacewalk aboard Tiangong, setting a global record.
- Cai's second, Song's first EVA.
- Surpassed the 2001 U.S. record.
- Supported by robotic arms and safety cables.



SpaDeX Mission: ISRO's Space Docking Milestone

- Launching December 2024 aboard PSLV-C60.
- Demonstrates autonomous docking with two 220-kg spacecraft: SDX01 (Chaser) and SDX02 (Target).
- India to become the 4th nation to achieve space docking.
- Mission includes power transfer and payload operations.
- Advanced sensors and indigenous technology for precision docking.
- SDX01: High-res imaging; SDX02: Resource and radiation monitoring.

- Success will boost missions like Chandrayaan-4 and Gaganyaan.

AIM & UNDP Launch Youth Co:Lab 2025 for Disability-Inclusive Innovation

- **Partners:** AIM, UNDP, Citi Foundation.
- **Focus:** Innovations for Persons with Disabilities (PwDs) to enhance opportunities and well-being.
- **Categories:** Assistive technology, inclusive educational tech, accessible care models.
- **Support:** 30-35 startups with mentorship, networking, and seed grants.
- **Eligibility:** Entrepreneurs aged 18-32, including PwDs.
- **Goal:** Empower youth-led solutions to drive disability-inclusive development and advance SDGs.

India Launches UG Minor in Quantum Technologies

- India's first UG Minor in Quantum Technologies starts next session for engineering students.
- Covers quantum mechanics, computing, cryptography, and algorithms.
- Includes 18 credits from 30+ courses with hands-on learning and simulators.
- Supports India's quantum goals, with faculty training and global competitiveness focus.



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Defence

-: January :-

'Desert Cyclone 2024'

- The *Desert Cyclone 2024* exercise took place in Rajasthan from January 2-15, 2024.
- The first India-UAE joint air forces exercise was in 2008.
- Key cooperation areas: defense equipment production, joint exercises, and strategic information sharing.

Indian Air Force C-130 J Night Landing at Kargil

- The IAF C-130J aircraft made a historic night landing at Kargil airstrip.
- The exercise also included terrain masking and served as a training mission for Garud Commandos.

Indian Navy Gets First Drishti 10 Starliner Drone

- The Indian Navy received the Drishti 10 Starliner drone, unveiled by Admiral R Hari Kumar.
- The drone has a 36-hour endurance and a 450kg payload capacity.

DRDO Launches Indigenous 'Ugram' Assault Rifle

- DRDO launched the Ugram, a 7.62 x 51 mm assault rifle.
- Developed at Pune's DRDO facility with Dvipa Armour India, it weighs under 4 kg.
- The rifle has a 500-meter range, a 20-round magazine, and can fire in single and full-auto modes.
- Designed for the Army, paramilitary, and police forces.

India-Thailand Navy Exercise 'Ex-Ayutthaya'

- India and Thailand conducted their first bilateral naval exercise, *Ex-Ayutthaya*, highlighting historical connections between Ayodhya (India) and Ayutthaya (Thailand).
- The exercise also included the 36th Indo-Thai Coordinated Patrol (CORPAT).

Operation Sarvashakti

- The Indian Army launched *Operation Sarvashakti* to counter Pakistan's terrorism efforts in Jammu and Kashmir.
- The operation targets terrorists in the Pir Panjal mountain range.
- It mirrors *Operation Sarpinash* (2003), aimed at clearing terrorists from the same region.

Exercise Desert Knight

- On January 23, 2024, the IAF conducted *Desert Knight* with French and UAE Air Forces.
- **French participants:** Rafale, Multi-Role Tanker; UAE: F-16s.
- **IAF's aircraft:** Su-30 MKI, MiG-29, Jaguar, AWACS, C-130-J, Air-to-Air Refueller.

Launch of ACTCM Barge and Contract with Suryadipta Projects

- The Ministry of Defence has signed a 1,070 crore contract with Suryadipta Projects for 11 ACTCM barges.
- The fifth barge was launched at Suryadipta's MSME shipyard in Thane.
- The contract, signed on March 5, 2021, comes under the 'Buy (Indian-IDDMM)' category.

India-Saudi Arabia Joint Military Exercise 'Sada Tanseeq' Begins in Rajasthan

- The inaugural India-Saudi Arabia joint military exercise, 'SADA TANSEEQ,' commenced in Mahajan, Rajasthan, on January 29, 2024.
- Saudi Arabia's Royal Land Forces are participating with 45 personnel.
- Key activities include mobile vehicle check posts, cordon and search, reflex shooting, and sniper firing.

SARVATRA: Indian Army's Mobile Bridge System

- **SARVATRA:** Mobile bridging system by DRDO for the Indian Army.
- **Setup Time:** Ready in 100 minutes.
- **Span:** Covers up to 75 meters.
- **Height Adjustment:** Ranges from 2.5m to 6m.
- **Variants:** 15m (short gaps) and 20m (long gaps).
- **Use:** Disaster relief and military operations.
- **Significance:** Highlights India's defense innovation and agility.

-: February :-

INS Sandhayak

- Commissioned on February 3, 2024, in Visakhapatnam.
- Built by GRSE, Kolkata, with 80% indigenous content.
- 110m long, ~3,800 tonnes, speed over 18 Knots, endurance of 25+ days.
- Key roles: Hydrographic surveying, navigation safety, maritime security.

- Enhances surveillance in the Indian Ocean and supports disaster relief.
- Successor to INS Sandhayak, decommissioned in 2021.

Preeti Rajak Becomes Indian Army's First Female Subedar

- Havildar Preeti Rajak promoted to Subedar, becoming the first woman in the Indian Army to hold this rank.
- Recognized for her exceptional talent and dedication in sports and military service.
- Joined the Corps of Military Police in December 2022, with a distinguished career in trap shooting.
- Won a silver medal in the 19th Asian Games 2022 in the women's trap team event.
- Awarded an out-of-turn promotion to Subedar for her achievements.
- Currently ranked 6th in India in trap shooting and aims for the Paris Olympics.
- A symbol of Nari Shakti, inspiring female athletes and soldiers.

India-US Seal \$4B MQ-9B Armed Drone Deal

- India acquires 31 MQ-9B drones from the US, strengthening defense ties.
- **Distribution:**
 - 15 SeaGuardian drones for the Indian Navy.
 - 8 SkyGuardian drones each for the Army and Air Force.
- The MQ-9B provides advanced intelligence, surveillance, and reconnaissance (ISR) capabilities.
- **SkyGuardian:** Optimized for land-based operations, with endurance up to 40 hours.
- **SeaGuardian:** Tailored for maritime surveillance with anti-submarine warfare capabilities.
- Enhances India's defense strategy, improving operational capabilities across land, sea, and air domains.

IAF To Conduct Exercise Vayu Shakti-2024

- **Date:** 17 February 2024, at Pokhran Air to Ground Range
- **Aircraft:** 121 aircraft, including Tejas, Rafale, Sukhoi-30 MKI, Apache, and more
- **Focus:** Offensive and defensive capabilities, precision strikes
- **Indigenous Systems:** Akash and Samar Surface to Air Weapons
- **Operations:** Multi-dimensional operations with IAF, Army, and Garud Commando Force

India-Saudi Arabia Strengthen Defence Cooperation

- India and Saudi Arabia held talks to enhance bilateral defence ties.
- Focus on joint military training, technology transfer, and defence industry collaboration.
- Emphasis on improving interoperability and fostering indigenous manufacturing.
- Defence Minister Ajay Bhatt led the Indian delegation at the World Defence Show 2024.
- Both nations reaffirmed their commitment to addressing shared security challenges.

IIT Madras to Develop India's First 155mm Smart Ammunition

- IIT Madras teams up with Munitions India Ltd to create India's first 155mm Smart Ammunition.
- Focus on enhancing accuracy, reducing Circular Error Probable (CEP) from 500m to 10m.
- Aims to improve lethality at impact for better combat effectiveness.
- Ammunition integrates with existing artillery systems with no modifications needed.
- Features include fin stabilization, canard control, and 3-mode fuse operation.
- Collaboration boosts India's defense self-reliance and innovation.

Embraer and Mahindra Partner for C-390 Millennium in India

- Embraer and Mahindra collaborate to supply the Indian Air Force with C-390 Millennium transport aircraft.
- Partnership supports the replacement of AN32 fleets and aligns with defense modernization.
- MoU focuses on developing the Medium Transport Aircraft program under Make in India.
- C-390 Millennium features a 26-ton payload, 870 km/h speed, and versatile mission capabilities.

Underwater Defence System Inaugurated in Andaman and Nicobar Command

- Admiral R. Hari Kumar visits Andaman and Nicobar Command to boost maritime security.
- Inaugurates Precision Approach Radar (PAR) at INS Utkrosh for aviation safety in low visibility.
- Launches Integrated Underwater Harbour Defence and Surveillance System (IUHDSS) at Port Blair Naval Jetty.
- Opens Naval Communication Network Centres at INS Kohassa, Baaz, and Kardip.

- Lays foundation for sailors' accommodation at Vijay Baugh.

General Bipin Rawat's Statue Unveiled in Dehradun

- Defence Minister Rajnath Singh and Uttarakhand CM Pushkar Singh Dhami unveil Rawat's statue at TonsBridge School.
- Singh recalls Rawat's bravery, including his response to a border attack.
- Pays tribute to Rawat's legacy as India's first CDS and military reformer.
- Highlights efforts to honor soldiers and enhance military capabilities.
- Statue aims to inspire youth and teach about Armed Forces' valor.

Havildar Varinder Singh Awarded Vishisht Seva Medal

- Havildar Varinder Singh of the Sikh Regiment received the Vishisht Seva Medal for developing the Multipurpose Octocopter.
- The Octocopter supports surveillance, combat, and logistics operations.
- Equipped with precision targeting and supply transport capabilities.
- Honoured by President Droupadi Murmu for his contribution to military innovation.

MoD Achieves 1 Lakh Crore Milestone on GeM

- MoD exceeds 1 lakh crore in procurement on GeM since 2016.
- Over 5.47 lakh orders executed, with 45,800 crore this fiscal year.
- 50.7% of orders (60,593 crore) awarded to MSEs.
- GeM expected to surpass 4 lakh crore in transactions by year-end.
- GeM supports 63,000+ buyers and 62 lakh sellers.
- Ranked third globally, behind South Korea and Singapore.

India Approves 84,560 Crore Defence Acquisition

- DAC approves 84,560 crore for key defence equipment under Rajnath Singh's leadership.
- Focus on self-reliance with Indian vendors.

Key Approvals:

1. **Anti-Tank Mines:** IDDM with seismic sensor.
2. **Loiter Munition System:** Targets beyond visual range.
3. **Air Defence Radar:** Detects low-flying targets.

- 4. **Maritime Aircraft:** Enhances Navy/Coast Guard surveillance.

- 5. **Sonar & Torpedoes:** Boosts submarine capabilities.

- 6. **Flight Refueller Aircraft:** Extends Air Force reach.

- 7. **Software Radios:** Secure communication for Coast Guard.

- 8. **Support for Start-ups & MSMEs:** DAP 2020 amendments promote innovation.

12th MILAN Naval Exercise at Visakhapatnam

The 12th MILAN naval exercise will be held in Visakhapatnam from February 19 to 27, with over 50 countries participating. The theme, "Forging Naval Alliances for a Secure Maritime Future," focuses on global maritime security.

- **Harbour Phase (Feb 19-23):** City Parade, Maritime Seminar, Tech Expo, and cultural exchange.

- **Sea Phase (Feb 24-27):** Air Defence, Anti-Submarine, Anti-Surface Warfare drills, and live Gunnery Shoots.

SAMAR Air Defense Missile Debuts in Vayushakti Exercise

The SAMAR missile system was used for the first time during the Vayushakti Exercise in Jaisalmer on February 17, 2024.

Key Details:

- **Developed by IAF:** An indigenous system adapted from Russian air-to-air missiles.

- **Advanced Features:** Operates at 2-2.5 Mach with a dual-launch platform.

- **Successful Trials:** Proven effective in December 2023 and Astrashakti-2023 exercises.

- **Self-Reliance:** Enhances India's air defense capabilities.

Indian Army's Rs 57,000 Crore Tank Modernization

The Indian Army's Rs 57,000 crore project will replace 1,770 T-72 tanks with Future Ready Combat Vehicles (FRCVs) featuring AI, drones, and active protection systems.

Key Highlights:

- **Project:** 1,770 FRCVs with advanced tech.

- **Indigenous Tanks:** 118 Arjun Mark-1A and 354 light tanks for high-altitude areas.

- **Upgrades:** Enhanced T-72 engines and thermal sights.

IAF's 'Exercise Vayu Shakti-24' at Pokhran Range

The IAF conducted 'Exercise Vayu Shakti-24' at Pokhran, showcasing its aerial power. Over 120 aircraft, including Rafale and Tejas, demonstrated offensive

capabilities in day and night operations.

Key Highlights:

- **Indigenous Tech:** Tejas engaged both aerial and ground targets; drones deployed.
- **Joint Ops:** Apache helicopters and Chinook-assisted artillery showed Army collaboration.
- **Night Ops:** Featured 'Prachand' helicopters and strategic strikes.
- **Engagement:** 50 tonnes of ordnance used, with live-streamed damage assessments.

HAL, DRDO Start Rs 60,000 Crore Sukhoi Jet Upgrade

HAL and DRDO begin a Rs 60,000 crore upgrade for the Su-30MKI fleet, focusing on advanced avionics, radar, and weapon systems.

Key Upgrades:

- Enhanced **avionics, radar, and electronic warfare** capabilities.
- **Indigenous components** replacing Russian parts.

Phases:

- **Phase 1:** 90 jets upgraded with new systems.
- **Phase 2:** Flight control enhancements.

DRDO to Test Indigenous Laser Weapon DURGA-2

DRDO is set to test its **DURGA-2** laser weapon, a major step in neutralizing ballistic missiles.

Key Points:

- **Development:** In progress for nearly two decades at DRDO's Laser Laboratory.
- **Testing:** Prototype expected to be tested in 2024.
- **Capabilities:** Laser weapons offer near 100% effectiveness against threats.
- **Strategic Advantage:** Could counter missiles from adversaries like China and Pakistan.

Technological Focus:

- **\$100 Million Investment:** The **Laser Science and Technology Centre** leads the project.
- **Challenges:** Focus on overcoming power supply issues for high-power lasers.

Trilateral Exercise 'Dosti-16' Held in Maldives

- **Dosti-16** exercise took place in the **Maldives** from Feb 22-25.
- **India and Sri Lanka** coast guard ships participated, with **Bangladesh** as an observer.
- Focus on maritime cooperation, addressing **piracy, smuggling, and environmental threats**.
- **Origins:** Initiated in 1991, expanded in 2012 to

include **Sri Lanka**.

- Significance heightened amid **India-China** tensions and evolving **Maldives-China** relations.

India Approves BrahMos ER Missiles for Navy

- **19,000 crore deal** for **200 BrahMos ER** missiles approved by CCS.
- **Range of 400-500 km**, improving Navy's reach and precision.
- **Successful tests** across land, air, ships, and submarines.
- **Global interest:** Philippines deal worth \$375 million.
- **75% indigenous** production, with **\$5 billion sales target** by 2025.

Indo-Japan Dharma Guardian Exercise Begins

- **5th edition** at **Mahajan Field Firing Ranges, Rajasthan** (Feb 25 - Mar 9, 2024).
- Focus on **interoperability** and **joint tactical maneuvers**.
- Activities: **ISR grids, cordon & search, heliborne operations, and house drills**.
- **Lt Gen TOGASHI Yuichi** to visit on **Mar 3** for **combat demonstrations**.
- **Atmanirbhar Bharat** showcased through **Weapon Display**.
- Strengthens **India-Japan defense ties**.

IAF Strengthens Air Defense with SAMAR-2 Missile System

- **SAMAR-2:** A surface-to-air missile developed from repurposed **Russian R-27 air-to-air** missiles.
- **Purpose:** Boosts air defense by extending the life of legacy assets.
- **Development:** Engineered by IAF's **7 Base Repair Depot** in Tughlakabad.
- **Testing:** Successfully tested in **Astra Shakti 2023** at **Suryalanka Air Force Station**.
- **Significance:** Shows **indigenous innovation** and **resource optimization** in India's defense.

Adani Group Launches South Asia's Largest Ammunition and Missiles Complex in U.P.

- **Inauguration:** By UP CM **Yogi Adityanath** and Gen **Manoj Pande**.
- **Job Creation:** 4,000 jobs, benefiting **MSMEs** and the local economy.
- **Investment:** **Rs 3000+ crore** in defense self-reliance.
- **Facility Size:** 500 acres, becoming one of South Asia's largest ammunition complexes.

- **Output:** 150 million rounds of small calibre ammunition, covering 25% of India's annual demand.
- **Strategic Partnerships:** MoUs with UPIDA and Adani to establish Kanpur as a major arms manufacturing hub.

Adani Group Invests \$362 Million in Local Defence Factories

- **Investment:** \$362 million (30 billion) in two defense facilities by Adani Defence & Aerospace.
- **Location:** Kanpur, Uttar Pradesh, covering 500 acres.
- **Production:** 150 million rounds annually; plans for 200,000 large-caliber rounds and 5 million medium-caliber rounds by 2025.
- **Capabilities:** Manufacturing small, medium, large caliber ammunition, missiles, drones, anti-drone systems, and firearms.
- **Job Creation:** Over 4,000 jobs expected.

NATO Launches Steadfast Defender 2024

- **Launch:** NATO's largest exercise in decades, began January 2024.
- **Participants:** 90,000+ troops, 50 naval units, 80 aircraft.
- **Focus:** Land, air, sea, cyberspace, and space operations.
- **Deterrence:** Message to Russia on collective defense.
- **Location:** Emphasis on Baltic Sea region.
- **Support to Ukraine:** U.S. \$95 billion aid package.

¶ HQ: Brussels, Belgium.

-: March :-

DRDO Tests Very Short-Range Air Defence System (VSHORADS)

- **Successful Tests:** Conducted on February 28-29, 2024, off Odisha coast.
- **Indigenous Development:** Designed by DRDO, incorporates advanced tech like miniaturized Reaction Control System.
- **Missile Features:** Dual-thrust solid motor, portable launcher, short-range capability for low-altitude aerial threats.
- **Outcome:** Intercepted and destroyed high-speed unmanned targets successfully.
- **Recognition:** Acknowledged by Defence Minister Rajnath Singh and DRDO leadership.
- **HQ:** DRDO Bhavan, New Delhi.
- **Chairman:** Sameer V. Kamat.

Exercise Samudra Laksamana: Indo-Malaysian Maritime Cooperation

- **Dates:** February 28 - March 2, 2024, off Visakhapatnam.
- **Participants:** Indian Naval Ship Kiltan and Royal Malaysian Ship KD Lekir.
- **Objective:** Strengthen ties, enhance interoperability, and improve maritime security.
- **Harbour Phase:** Includes Subject Matter Expert Exchange (SMEE), sports, and cultural exchanges.
- **Sea Phase:** Focus on joint operations to improve tactical and operational skills.
- **Outcome:** Enhanced cooperation and readiness for joint maritime operations.

Indian Navy Commissions INS Jatayu on Minicoy Island

- **Date:** Commissioning on March 6, 2024, by Admiral R Hari Kumar.
- **Location:** Minicoy Island, Lakshadweep, crucial for maritime security.
- **Strategic Importance:** Enhances control over key Sea Lines of Communications (SLOCs).
- **Expansion Plans:** Potential to develop into a major base, accommodating aircraft carriers.
- **Mission Focus:** Strengthening anti-piracy and anti-narcotics efforts in the Western Arabian Sea.
- **Historical Context:** Builds on Naval Detachment Minicoy, established in the 1980s.
- **Strategic Alignment:** Supports India's national security interests and regional stability.

INAS 334 Squadron Welcomes MH 60R 'Seahawks' into Indian Navy

- **Date:** Commissioning on March 6, 2024, at INS Garuda, Kochi.
- **Helicopter:** MH 60R Seahawk, part of a 24-aircraft deal with the US (Feb 2020).
- **Capabilities:** Multi-role, designed for ASW, ASuW, SAR, MEDEVAC, and VERTREP.
- **Enhancement:** Boosts maritime security, extending operational reach in the Indian Ocean Region.
- **Strategic Importance:** Strengthens naval posture and deters potential threats.
- **Alignment:** Supports India's SAGAR (Security And Growth for All in the Region) initiative.

Bharat-Shakti Exercise Highlights

- **Date:** March 12, 2024.
- **Location:** Jaisalmer, Rajasthan.
- **Participants:** Indian Army, Navy, and Air Force.
- **Focus:** Showcase indigenous weapons and systems,

including Tejas fighter, K-9 artillery, and Pinaka launchers.

- **Objective:** Demonstrate self-reliance in defense technology.
- **PM Modi:** Expected to attend.

Sea Defenders-2024 Highlights

- **Date:** March 9-10, 2024.
- **Participants:** U.S. Coast Guard (USCG) and Indian Coast Guard (ICG).
- **Location:** Port Blair, India.
- **Focus:** Simulate maritime threats like piracy, drone attacks, pollution response, and search & rescue.
- **Objective:** Enhance operational synergy and maritime safety in the Indo-Pacific region.
- **Strategic Importance:** Strengthens U.S.-India maritime cooperation and promotes global maritime security.

DRDO Agni-5 Missile Test - Mission Divyastra

- **Date:** March 12, 2024.
- **Test:** Maiden flight test of Agni-5 missile with MIRV technology.
- **Significance:** Enhances India's strategic deterrence by deploying multiple nuclear warheads independently.
- **Global Club:** Joins countries like the U.S., Russia, China, etc., with MIRV missile systems.
- **Capabilities:** Agni-5 has a range of 5,000+ km, with up to 5 warheads independently targeting distances of 200-500 km.
- **Geopolitical Context:** The test coincided with Chinese vessels monitoring the region.
- **Strategic Impact:** Strengthens India's nuclear triad and missile defense capabilities.
- **Headquarters:** DRDO Bhavan, New Delhi.
- **Chairman:** Sameer V. Kamat.

BBBS Secures Major Anti-Drone Tech Order Under IDEX

- **Company:** Big Bang Boom Solutions (BBBS), an IDEX (Innovations for Defence Excellence) startup.
- **Contract Value:** Over Rs 200 Crores for cutting-edge anti-drone technology.
- **Scope:** The order benefits the Indian Army and Air Force, marking the largest under the IDEX initiative.
- **Technology:** Vajra Sentinel System, designed to detect, track, and neutralize drones using passive RF sensors, AESA radar, and autonomous countermeasures.

- **Objective:** Strengthening defense against drones and UAS (Unmanned Aircraft Systems).
- **Key Features:** Precision tracking, false alarm reduction, and signal jamming for effective neutralization.
- **Focus:** Integration into armed forces' strategies with training and support.

Launch of 'Agray' and 'Akshay' - Advancing Indian Navy's ASW Capabilities

- **Launch:** 'Agray' and 'Akshay', the 5th & 6th ASW Shallow Water Craft, launched on 13 Mar 2024 by GRSE, Kolkata.
- **Ceremony:** Air Chief Marshal V R Chaudhari presided; Mrs. Neeta Chaudhari performed the ceremonial launch.
- **Purpose:** Replaces Abhay class ships; designed for anti-submarine, LIMO, and mine-laying operations.
- **Specifications:** 77.6m long, 10.5m wide, 900-ton displacement, endurance over 1800 nautical miles.
- **Indigenous Focus:** Over 80% indigenous content, supporting 'Aatmanirbhar Bharat'.
- **Timeline:** First ship delivery in early 2024; 9 warships launched in the past year.
- **Significance:** Strengthens Indian Navy's coastal defense and maritime security.

RPF Leads in Female Representation

- **Highest Representation:** Women form 10% of RPF personnel, the highest among paramilitary forces.
- **Record-Breaking:** Surpassed CISF's 2019 record of 5.55% female representation.
- **Recruitment Success:** In 2019, 298 female sub-inspectors and 4,078 female constables were recruited.
- **Training Focus:** Provides comprehensive skill development for female recruits.
- **Significance:** Sets a benchmark for gender inclusivity and operational strength in paramilitary forces.

China, Iran, and Russia Conduct Joint Naval Drills

- **Exercise:** "Security Belt-2024" in the Gulf of Oman, the fourth such drill since 2019.
- **Duration:** Monday to Friday, focusing on anti-piracy and search-and-rescue operations.
- **Participants:**
 - **China:** Warships Urumqi, Linyi, Dongpinghu.
 - **Iran:** Over 10 vessels, including Alborz and Jamaran.
 - **Russia:** Cruiser Varyag and ship Marshal Shaposhnikov.

- **Goals:** Enhance naval cooperation, safeguard maritime security, and boost interoperability.
- **Observers:** Envoys from India, Pakistan, Oman, and others attended as observers.
- **Approach:** Non-confrontational; promotes peace and stability in international sea lane

Indian Army Departs for Exercise – “Lamitiye 2024”

- **Event:** 10th edition of Joint Military Exercise “LAMITIYE-2024” in Seychelles, 18-27 March 2024.
- **Meaning:** ‘Lamitiye’ translates to ‘Friendship’ in Creole; conducted biennially since 2001.
- **Participants:** 45 personnel each from GORKHA RIFLES (Indian Army) and Seychelles Defence Forces (SDF).
- **Objective:** Enhance interoperability in Sub-conventional Operations under UN Peacekeeping guidelines.
- **Activities:** Tactical drills, field training, combat discussions, and Validation Exercise.
- **Significance:** Builds bilateral military ties, shares best practices, and strengthens joint operations capability.

India-US Joint Military Exercise “EX TIGER TRIUMPH-24”

- **Dates:** March 18-31, 2024, on India’s Eastern Seaboard.
- **Purpose:** Enhance cooperation in humanitarian assistance and disaster relief.
- **Participants:** Indian Navy, Army, Air Force, US Navy, Marine Corps, Army troops.
- **Phases:**
 - **Harbour Phase** (March 18-25): Training, discussions, sports, social interactions.
 - **Sea Phase** (March 25-31): Maritime, amphibious, disaster relief operations.
- **Previous Exercises:** First held in 2019; also participated in Milan-24 and Sea-Defenders 2024.
- **Discussions:** Defence cooperation and regional security between India and the US.

Guyana Signs Deal to Purchase Indian-Made Dornier Aircraft

- Guyana Defence Force (GDF) agrees to buy two Dornier 228 aircraft from India.
- The \$23.27 million deal is financed by a loan from the Export-Import Bank of India.
- Aircraft, made by Hindustan Aeronautics Limited (HAL), are suited for Short Take-Off and Landing (STOL).

- They will be used for maritime patrols, resupplying bases, and troop movement.
- This is India’s first defence loan to a Caribbean nation.
- Guyana plans further purchases of patrol vehicles, radars, and armoured vehicles.
- The deal strengthens the capabilities of the Guyana Defence Force.

Indian Army Raises First Apache Squadron

- The 451 Aviation Squadron was raised on March 15 to operate AH-64E Apache attack helicopters.
- India signed an \$800 million deal with Boeing for six Apaches in 2020.
- First Apaches inducted in May and July 2023.
- The Army now has dedicated attack helicopters, alongside the Light Combat Helicopter (LCH).
- Plans to acquire 39 Apaches, with 22 for the Air Force.
- The Defence Acquisition Council approved 156 LCHs for Army and Air Force.
- The Army operates 75 Rudra helicopters, boosting air assault capabilities.

India Joins Mozambique and Tanzania for TRILAT-2024

- The IMT TRILAT-2024 exercise takes place from 21-29 March 2024.
- Indian Navy ships INS Tir and INS Sujata represent India.
- **Two phases:**
 - **Harbour Phase:** Training on damage control, firefighting, VBSS, and medical procedures.
 - **Sea Phase:** Countering asymmetric threats, VBSS procedures, and EEZ surveillance.
- The exercise strengthens maritime cooperation and interoperability.

‘Operation Indravati’

- Operation Indravati launched to evacuate Indian nationals amid gang violence in Port-au-Prince.
- Armed gangs attack suburbs, burn police stations, shut airport, and free prisoners.
- Haiti declares emergency, imposes curfew; gang leader demands PM’s resignation.
- India evacuating nationals to the Dominican Republic; US airlifts 15+ Americans to Santo Domingo.
- Political crisis deepens with PM Ariel Henry’s intention to resign but remains in power.

Army Deploys Anti-Drone Systems Along China Border

- **IDD&IS:** Developed by DRDO and Bharat Electronics for multi-layered defense against drones.
- **Capabilities:** Jamming within 2-5 km, laser interception over 800 meters.
- **Deployment:** Seven units deployed along the border, with plans for expansion.
- **Future:** DRDO developing directed energy systems for protection against drone swarms.

Indian Army Commanders' Conference

- **Format:** Hybrid, virtual on 28th March; physical in New Delhi on 1st-2nd April.
- **Discussions:** Security, policy decisions, welfare, and geopolitical impact on national security.
- **Brainstorming:** Operational effectiveness, innovation, training, and personnel welfare.
- **Keynote:** Raksha Mantri Shri Rajnath Singh on 2nd April.

-: April :-

IAF's 'Gagan Shakti-2024' Exercise (April 1-10)

- **Objective:** Showcasing IAF's capability in high-octane operations in a realistic environment.
- **Previous Edition:** Held in 2018, tested readiness for a two-front war, with deep strikes, air dominance, maritime operations, and air defence.
- **Assets Deployed:** Rafale, Mirage-2000, Sukhoi-30 MKIs, Tejas, Chinook, Apache, UAVs, and surface-to-air missile systems.

'Dosti-16' Exercise (India, Maldives & Sri Lanka)

- **Participants:** Indian Coast Guard ships Samarth and Abhinav, Sri Lanka Naval Ship Samudura, Bangladesh as observer.
- **Objective:** Enhance cooperation, operational capability, and interoperability among coast guards of India, Maldives, and Sri Lanka.
- **Activities:** Maritime interdiction, search and rescue, surveillance, communication drills, and counter-piracy operations.
- **Focus:** Address maritime security, humanitarian aid, pollution response, and disaster relief.
- **Importance:** Strengthen regional cooperation and stability in maritime security.

DRDO's Successful Agni-Prime Test

- **Test Details:** Agni-Prime missile flight test by DRDO and India's SFC off Odisha. Senior officials witnessed the test.

- **Missile Overview:** Medium-range (1,000-2,000 km), solid-fueled, nuclear-capable surface-to-surface missile.
- **Features:** Two-stage design, composite material, MaRV, advanced navigation, and canister launch.
- **Purpose:** Strengthen India's deterrence against China and Pakistan; replaces older Agni missiles.
- **Agni Series:** Part of the Agni missile series, developed under the IGMDP.
- **Headquarters:** DRDO Bhavan, New Delhi
- **Chairman:** Sameer V. Kamat

Indian Army Enhances Air Defence with Akashteer System

- **Induction:** Indian Army inducts Akashteer system for improved air defence.
- **Integration:** Seamless integration of radar and communication.
- **Mobility:** Vehicle-based control centers for challenging environments.
- **Automation:** Fully automated air defence operations.
- **Efficiency:** Boosts airspace monitoring and operational efficiency.

Sagar Kavach 2024: Coastal Security Exercise in Lakshadweep Islands

- **Exercise:** Two-day coastal security drill, Sagar Kavach 01/24, conducted from April 1-2, 2024.
- **Participants:** Indian Navy, Coast Guard, Marine Police, Fisheries, Customs, and other agencies.
- **Objective:** Validate coastal security mechanism against sea-based asymmetric threats.
- **Key Outcomes:** Improved preparedness, response, surveillance, and coordination.
- **Significance:** Strengthened coastal security, identified areas for improvement, and reinforced maritime security commitment.

Indian Army Enhances Air Defence with Iгла-S MANPADS

- **Acquisition:** Iгла-S MANPADS from Russia to enhance VSHORAD capabilities.
- **Deal:** 120 launchers, 400 missiles; local production planned.
- **System:** Includes 9M342 missile and launching mechanism.
- **Deployment:** First regiment deployed; further deliveries planned for northern border.
- **Background:** Selection began in 2010, finalized in 2018.

CRPF's 59th Bravery Day 2024

- **Date:** April 9th, annually, to honor CRPF soldiers' sacrifices.
- **Origin:** Established in 1965 after the Rann of Kutch conflict.
- **Historical Event:** CRPF officer Bhavana Ram defended Sardar Post; 6 CRPF soldiers martyred, 34 Pakistani soldiers killed.
- **Significance:** Honors bravery, dedication, and selflessness of CRPF personnel.
- **Role:** CRPF maintains law and order and counters internal security threats.
- **Motto:** "Service and Loyalty."
- **Headquarters:** New Delhi;

IAF's Role in Operation Meghdoot

- ñ **Date:** April 13, 1984, launch of Operation Meghdoot to secure Siachen Glacier.
- ñ **Key Role:** IAF transported troops and supplies using helicopters (Mi-17, Mi-8, Chetak, Cheetah).
- ñ **Fighter Operations:** Deployed Hunter aircraft, later MiG-23 and MiG-29 for fighter support.
- ñ **Historic Landing:** C-130J Super Hercules landed at Daulat Beg Oldie (2013).
- ñ **Lifeline for Troops:** IAF helicopters support logistics, emergencies, and evacuations.
- ñ **IAF Headquarters:** New Delhi
- ñ **Chief of the Air Staff:** Vivek Ram Chaudhari
- ñ **Chief of Defence Staff:** General Anil Chauhan

Indigenous Man Portable Anti-tank Guided Missile System

- ñ **Milestone:** DRDO and Indian Army conduct successful trials of the MPATGM.
- ñ **System Components:** MPATGM missile, launcher, target acquisition system, and fire control unit.
- ñ **Trials:** Warhead flight trials conducted at Pokhran (April 13, 2024), proving missile performance.
- ñ **Capabilities:** Defeats modern armor, dual-mode seeker for day/night targeting, top-attack ability.
- ñ **Significance:** Strengthens anti-tank capabilities, promotes self-reliance under "Atmanirbhar Bharat."
- ñ **Collaboration:** Developed through DRDO and Indian Army cooperation.
- ñ **Headquarters:** New Delhi
- ñ **Chairman:** Sameer V. Kamat

Indian Navy Conducts 'Poorvi Leher' Mega Exercise

- **Purpose:** To validate procedures and assess preparedness for maritime security along the East Coast.

- **Participants:** Ships, submarines, aircraft, special naval forces, Indian Air Force, Andaman & Nicobar Command, and Coast Guard.
- **Phases:** Included combat training, live-fire drills, and maintaining maritime domain awareness.
- **Key Focus:** Operational readiness, interoperability, and security capabilities.
- **Significance:** Reinforces the Navy's commitment to safeguarding maritime interests and regional stability.
- **Indian Navy's Role:** Maritime security, joint operations.
- **Joint Services Participation:** Indian Navy, Air Force, Coast Guard.

IAF Conducts Successful Test of Air-Launched Ballistic Missile

- **Missile Name:** ROCKS (Crystal Maze 2).
- **Test Location:** Andaman and Nicobar Islands, launched from a Su-30 MKI.
- **Range & Precision:** Over 250 km, targets enemy radar and air defense systems, effective in GPS-denied environments.
- **Warhead Options:** Penetration or blast fragmentation, targeting above-ground and underground threats.
- **Deployment Strategy:** Launched outside surface-to-air defense zones for higher success.
- **Indigenization:** Mass production under the Make in India initiative, leveraging Israeli technology.
- **IAF Capabilities:** Air-launched missiles, strategic deterrence.
- **ROCKS Missile Features:** Range, precision, and versatile warheads.
- **Make in India:** Boosts indigenous missile production.

-: May :-

DRDO's Supersonic Missile-Assisted Torpedo Delivery System (SMART) Achieves Success

- **Date of Test:** May 1, 2024, from Dr. APJ Abdul Kalam Island, Odisha.
- **Purpose:** Enhances India's anti-submarine warfare capabilities.
- **System:** SMART extends the range of lightweight torpedoes using a missile-based system.
- **SMART System:** Key components and advancements.
- **DRDO's Role:** Enhancing naval capabilities and strategic defense.

- **Defence Minister's Statement:** Importance of the system for naval strength.
- **Key Features:**
 - Two-stage solid propulsion.
 - Electromechanical actuator system.
 - Precision inertial navigation.
 - Advanced separation, ejection, and velocity control.
- **Strategic Impact:** Provides the Indian Navy with a significant edge in naval warfare.

Air Marshal Nagesh Kapoor Assumes Command as AOC-in-C, Training Command

- **Date:** May 6, 2024
- **New Role:** Air Officer Commanding-in-Chief (AOC-in-C) of Training Command, Indian Air Force.
- **Experience:** Over 3,400 hours of flying; commissioned into the Fighter stream in December 1986.
- **Career Highlights:** Qualified Flying Instructor, Fighter Combat Leader.
- **Awards:** Vayu Sena Medal (2008), Ati Vishisht Seva Medal (2022).
- **AOC-in-C Appointment:** Air Marshal Nagesh Kapoor.
- **Key Achievements:** Flying hours, training expertise, and awards.

Indian Army and IAF Joint Exercise in Punjab

- **Exercise:** Gagan Strike-II
- **Duration:** 3 days, in Punjab
- **Objective:** Validate attack helicopters in mechanized operations.
- **Key Assets:** Apache, ALH-WSI helicopters, UAVs, special forces.
- **Outcome:** Enhanced coordination between Army and IAF, refined operational processes.
- **Participants:** Indian Army (Kharga Corps), IAF
- **Focus:** Integration of air-ground assets in offensive operations.

IAF Bambi Bucket Operations in Uttarakhand

- **Location:** Pauri Garhwal, Uttarakhand
- **Aircraft Used:** Mi17 V5
- **Objective:** Combat forest fires in Pauri Garhwal sector.
- **Operations:** Mi17 V5 helicopters used for Bambi Bucket operations.
- **Total Water Dropped:** 44,600 litres across 23 sorties (11.5 hours).

- **Actions:** 17,700 litres dropped in 8 sorties (4 hours).
- **Challenges:** 40 new fire cases reported on May 8, 2024.

Vice Admiral Sanjay Bhalla, Chief of Personnel, Indian Navy

- **Vice Admiral Sanjay Bhalla** appointed **Chief of Personnel**, Indian Navy (May 10, 2024).
- **Over 35 years** of service, specialized in **Communication and Electronic Warfare**.
- Former FOCEF (Flag Officer Commanding Eastern Fleet).
- Led **President's Fleet Review (PFR - 22)** and MILAN - 22 exercises.
- **Chief of Staff**, Western Naval Command.
- **Education:** M.Phil, Master's in International Security, King's College.
- **Awards:** Ati Vishisht Seva Medal, Nao Sena Medal, Chief of Naval Staff Commendation.

Indian Air Force Tests BHISHM Portable Hospital for Airdrop in Agra

- **Project BHISHM** aims to provide rapid medical aid during emergencies.
- **BHISHM Portable Hospital** can treat up to **200 casualties** with modern tech like **AI** and **data analytics**.
- The hospital is lightweight, waterproof, and can be deployed via **airdrop in 12 minutes**.
- **72 components** ensure adaptability for transport by hand, bicycle, or drones.
- Previous deployment in **Ayodhya** showed effective functionality.

Indian Army Set to Receive Russian Igla-S Air Defence Systems

- **Igla-S VSHORAD** systems, designed for **low-altitude aerial threats** (aircraft, helicopters, drones).
- **48 launchers, 100 missiles**, night vision gear, and a testing facility included.
- **Partial assembly in India** boosts self-sufficiency in defense manufacturing (aligned with **Make in India**).
- Delivery in **late May**, resolving previous **payments dispute** with Russia.
- Future collaboration with **Israel**: First **Hermes-900 UAVs** arriving next month.
- These acquisitions bolster India's **air defense** and **geopolitical security**.

IAF Joins 'Red Flag 24' Exercise in Alaska

- **Duration:** 16 days, from May 30 to June 14, 2024.
- **Deployment:** Rafale fighter jets to enhance training

and interoperability.

- **Participants:** 3,100 service members, 100+ aircraft.
- **Objective:** Simulated combat environment to improve tactics and interoperability.
- **Training Scope:** Ranges from individual skills to large-scale joint engagements.
- **Benefits:** Enhances combat readiness, strengthens global partnerships, and fosters military cooperation.

-: June :-

First Woman Brigadier in Pakistan Army

- Dr. Helen Mary Roberts, a Christian, is the first woman to become a Brigadier in Pakistan Army.
- Her promotion comes amid scrutiny of minority rights in Pakistan, especially against Christians.
- A senior pathologist with 26 years of service, Roberts' promotion highlights merit-based advancement.
- The ISPR emphasizes that decisions in the Army are made without discrimination based on religion, language, or gender.

Peru and Slovakia Sign Artemis Accords

- **Date:** May 30, 2024
- **Details:** Peru (41st) and Slovakia (42nd) sign NASA's Artemis Accords.
- **Location:** NASA headquarters, Washington, in separate ceremonies.

About Artemis Accords:

- **Launched:** 2020 by NASA and seven countries.
- **Goal:** Guide safe civil space exploration, support sustainable Moon and Mars missions.

Significance:

- **Space Governance:** Promotes peaceful use of space.
- **Global Cooperation:** Includes nations at various stages of space exploration, shaping future space rules.

ISRO Announces Indo-French TRISHNA Mission

- **Objective:** Monitor surface temperature, water management, and climate impacts globally.
- **Partners:** ISRO (India) and CNES (France).
- **Payloads:**
 - **Thermal Infra-Red (TIR):** Maps surface temperature.
 - **VNIR-SWIR:** Measures reflectivity and biophysical variables.
- **Benefits:** Provides data for water and food security, climate change mitigation, and sustainable policies.
- **Launch:** Expected in 2025, with a 5-year lifespan.

Indian Army Launches 'Vidyut Rakshak' Generator Monitoring System

- **Launch Date:** June 5, 2024.
- **Purpose:** IoT-enabled system for generator monitoring, protection, and control.
- **Features:** Predicts and prevents faults, automates operations, and saves manpower.
- **Developer:** Major Rajprasad R S, showcased at 'Exercise Bharat Shakti.'
- **Collaboration:** MoU with IIT Delhi for innovation production.
- **Key Officials:** Army Chief Gen Manoj Pande, Vice Chief Lt Gen Upendra Dwivedi.

Launch of LSAM 13: Fifth Missile Cum Ammunition Barge

- **Date:** June 10, 2024.
- **Project:** Part of the 08 x Missile Cum Ammunition (MCA) Barge project.
- **Builder:** M/s SECON Engineering Projects Pvt Ltd, Visakhapatnam.
- **Launch Site:** M/s Vinayaga Marine Petro Ltd, Maharashtra.
- **Significance:** Enhances Indian Navy's operational capabilities for transportation and ammunition handling.
- **Contract Signed:** February 19, 2021, with MoD.
- **Key Features:** Indigenously designed and built under Indian Naval and IRS regulations.
- **Testing:** Model testing at Naval Science and Technological Laboratory (NSTL), Visakhapatnam.
- **Make in India:** A contribution to India's defense self-reliance initiative.

Israeli Navy Receives Second US-Built Landing Craft

- **Date:** June 16, 2024.
- **Vessel:** INS Komemiyut, second US-built landing craft, moored at Haifa Naval Base.
- **First Landing Craft:** INS Nahshon, received in August 2023.
- **Specifications:**
 - INS Nahshon: 95 meters long, 2,500 tonnes displacement, supports troops, vehicles, and humanitarian missions.
 - INS Komemiyut: Similar design, enhances amphibious capabilities.

Indian Army Launches First Skin Bank

- **Location:** Army Hospital (Research & Referral), New Delhi.

- **Purpose:** To provide advanced treatment for severe burn injuries of armed forces personnel and their families.
- **Features:** Centralized hub for skin graft collection, processing, and distribution. Staffed by specialized medical professionals.
- **Importance:** Supports injuries from domestic fire accidents, electrical incidents, and altitude-related incidents.
- **Goal:** Enhance recovery and rehabilitation chances for soldiers and families.
- **Skin Donation Awareness:** Aims to increase awareness and bridge the demand-supply gap for skin donations.

Indian Army Inducts Indigenous ASMI Submachine Gun

- **Order:** 550 ASMI submachine guns worth Rs 4.26 crores from Lokesh Machine Limited.
- **Development:** Designed by DRDO's ARDE, Pune, in collaboration with the Indian Army.
- **Manufacturer:** Lokesh Machine Limited, Telangana.
- **Features:**
 - 9×19 mm caliber, single unibody design.
 - Weighs under 2.4 kg, lighter than Uzi and MP5.
 - 32-round magazine, 800 rounds per minute firing rate.
- **Significance:** First indigenously manufactured weapon inducted into the Indian Army.
- **Future Prospects:** Being tested by NSG, BSF, and Assam Rifles, boosting the Atmanirbhar Bharat initiative.

Indian Armed Forces Unveil Unified Cyberspace Doctrine

- **Launch:** Chief of Defence Staff Gen Anil Chauhan released the Joint Doctrine for Cyberspace Operations on June 18, 2024, at the Chiefs of Staff Committee (COSC) meeting in New Delhi.
- **Purpose:** To guide commanders in conducting cyberspace operations in modern warfare.
- **Focus:** Emphasizes the military aspects of cyberspace operations and provides guidance for planning and execution.
- **Significance:** Integrates cyberspace as a key domain of warfare alongside land, sea, and air.
- **Impact:** Aims to protect national security by addressing hostile cyber actions affecting the economy, politics, and defense.

Khalubar War Memorial

- **Tribute:** The Army opened the Khalubar War

Memorial in Ladakh to honor Kargil War heroes, marking the 25th anniversary of Kargil Vijay Diwas on July 26, 2024.

- **Location:** The memorial in Aryan Valley honors soldiers who reclaimed the valley, including Captain Manoj Pandey.
- **Ceremony:** The opening was part of the 'Forever in Operations' Division's Pre-Kargil Vijay Diwas celebrations, with a 'Trek to Battle Site' led by Brigadier OP Yadav.
- **Significance:** Khalubar, captured in the 1999 Kargil War, symbolizes bravery. Local communities also played a key role.

INS Sunayna Arrives at Port Victoria, Seychelles

- **Visit:** INS Sunayna entered Port Victoria on June 26, 2024, as part of its long-range deployment in the Southwest Indian Ocean.
- **Seychelles National Day:** The ship's visit coincides with Seychelles' 48th National Day on June 29, 2024. An Indian Navy contingent will participate in the military parade.
- **Engagements:** During the port call, activities include social interactions, a yoga session, community outreach, and an aerial demonstration of the Naval Advanced Light Helicopter (ALH).
- **Significance:** The visit reaffirms the longstanding India-Seychelles military ties, with Indian contingents participating in Seychelles National Day parades since 1976.
- **About INS Sunayna:** The second Saryu-class patrol vessel, designed by Goa Shipyard, supports fleet operations, coastal patrolling, and offshore surveillance.

-: July :-

Indigenous Light Tank 'Zorawar'

India has unveiled its first indigenous light tank, developed jointly by DRDO and Larsen & Toubro, aimed at bolstering military capabilities in high-altitude environments. The prototype tank, called 'Zorawar' is powered initially by a 750 HP Cummins engine with plans for a domestic replacement, boasts a sophisticated turret from John Cockerill with electro-optical cameras and anti-tank guided missiles. Named after General Zorawar Singh, the tank is slated for extensive trials before potential deployment in Ladakh, Sikkim, or Kashmir.

South Korea, US and Japan launched First Trilateral Multi-Domain Exercise

The Republic of Korea, the US and Japan began their

first trilateral multi-domain exercise on 27 June, 2024. The three-day exercise, named Freedom Edge, took place in South Korea's southern island of Jeju. The exercise came amid efforts to deepen security cooperation against threats from North Korea by its deepening ties with Russia. The exercise focused on ballistic missile defence, air defence, antisubmarine warfare, search and rescue, maritime interdiction and defensive cyber training.

Indian Air Force Weapon Systems School in Hyderabad

Indian Air Force Chief, Air Chief Marshal V R Chaudhari, inaugurated the newly established Weapon Systems School (WSS) at Air Force Station Begumpet, Hyderabad on 1 July, 2024. Aimed at recalibrating and transforming the IAF as a future-oriented force, the WSS aims to provide contemporary, effect-based training to officers of the newly formed Weapon Systems (WS) branch. This initiative integrates ground-based and specialist weapon system operators under one umbrella, enhancing the IAF's war-fighting capabilities.

Indian Navy de-inducted UH-3H Helicopter

The Indian Navy on 28 June bid farewell to the UH-3H helicopter after 17 years of glorious service during a de-induction ceremony held at INS Dega, Visakhapatnam on 28 June, 2024. The event was presided by Vice Admiral Sameer Saxena, Chief of Staff, Eastern Naval Command. The UH-3H helicopter will be replaced by Sea King 42C helicopter at INAS 350, to continue and deliver operational power and capability.

About UH-3H Helicopter:

- The UH-3H helicopter inducted into INAS 350 'Saaras' on 24 March 2009, at INS Dega.
- It was originally brought to India in 2007 alongside INS Jalashwa.
- It had advanced capabilities in Search and Rescue (SAR) missions, humanitarian assistance, disaster relief, security of offshore installations and special operations.

'Birlestik-2024' Joint Military Exercises in Kazakhstan

Azerbaijan Army servicemen have arrived in Kazakhstan to take part in the 'Birlestik-2024' operational-tactical command-staff exercise. This joint military drill, involving 4,000 personnel and 700 military vehicles, scheduled from 11-17 July, conducted at the Oymasha training ground and Cape Tokmak in the Caspian Sea. The exercise is part of a collaborative effort between the Defense Ministries of Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan.

The drills aim to enhance regional defense cooperation. Azerbaijan's contingent includes commando units from the Land Forces, Parachute descent and search-rescue service personnel, Su-25 aircraft from the Air Force, and patrol and descent ships from the Navy.

INS Delhi won Best Ship of Eastern Fleet 2024

Guided-missile frigate, INS Delhi was awarded Best Ship of the Eastern Fleet for its exceptional operational achievements over the past year at the Fleet Awards Function-2024 held in Visakhapatnam on 14 July, 2024.

The event also acknowledged INS Kavaratti as the Best Ship among Corvettes, OPVs, and LSTs. INS Shivalik, INS Sumedha, and INS Sumitra were commended for their spirited contributions to the Sunrise Fleet.

MoD notifies fifth Positive Indigenisation List of 346 items for DPSUs

In a major boost to Aatmanirbharta in defence and minimise imports by Defence Public Sector Undertakings (DPSUs), Department of Defence Production (DDP), Ministry of Defence has notified the fifth Positive Indigenisation List (PIL) consisting of 346 items including 'strategically-important' systems and weapons. The indigenisation of these 346 items is worth Rs 1,048 crore. Over 12,300 items have been indigenised in the past three years.

Exercise Nomadic Elephant 2024 between India and Mongolia

The 16th edition of the India-Mongolia Joint Military Exercise, 'Exercise Nomadic Elephant 2024', conducted from 3-16 July, 2024 at Foreign Training Node, Umroi, Meghalaya. Indian contingent comprising of 45 personnel represented by a Battalion of SIKKIM SCOUTS along with personnel from other arms and services. The Mongolian contingent represented by personnel from 150 Quick Reaction Force Battalion of the Mangolian Army.

This exercise is an annual training event conducted alternatively in India and Mongolia. Last edition was conducted in Mongolia in July 2023.

Indian Navy Chief met Bangladesh Army Chief in Dhaka

Admiral Dinesh K Tripathi, Chief of the Naval Staff (CNS), Indian Navy was on a four-day official visit from 1-4 July, 2024 in Bangladesh to consolidate bilateral defence relations between India and Bangladesh and to explore new avenues for maritime cooperation.

The Bangladesh Navy signed a contract with India's Garden Reach Shipbuilding and Engineers Ltd. (GRSE)

for constructing a 'Made in India' 800 tons Ocean Going Tug, in Dhaka Bangladesh.

13th India-Thailand Military Exercise 'Maitree'

The 13th edition of the joint military exercise Maitree 2024 between the Indian Army and the Royal Thailand Army conducted at Fort Vachiraprakan in Tak Province, Thailand from 1-15 July, 2024. The exercise was marked by intensive training and collaboration aimed at enhancing the operational capabilities and interoperability of both armies.

About 'Maitree' Exercise:

- The exercise takes place between India and Thailand since 2006.
- The previous edition of the exercise was conducted in Umroi, Meghalaya in 2019.

Annual Defence production hits record high in FY24

According to the Union Ministry of Defence, India's annual domestic production hit a record high of almost Rs 1.27 trillion in 2023-24 (FY24), up 16.7 per cent over the previous year's figure of about Rs 1.09 trillion.

Indo Russian joint venture IRRPL delivered 35,000 AK-203 assault rifles

Ahead of Prime Minister Narendra Modi's visit to Moscow for the annual India-Russia Summit, the Indo-Russian Rifles Private Limited (IRRPL), a joint venture between India and Russia, on 5 July successfully delivered 35,000 AK-203 Kalashnikov assault rifles to the Indian Ministry of Defence. These rifles were produced at the Korwa Ordnance factory in Amethi, UP. The main features of this project include complete technology transfer and to achieve 100% localization of the rifles production.

DRDO sanctioned seven new projects to the private sector under Technology Development Fund scheme

The Defence Research & Development Organisation (DRDO) has sanctioned seven new projects to private industries under the Technology Development Fund scheme for various requirements of the Armed Forces and aerospace and defence sectors. The projects are aimed to bolster India's military-industrial ecosystem. These projects will cover diverse areas such as: simulation toolkits, UAVs, ice detection and smart e-textiles.

Exercise Pitch Black 2024

Indian Air Force (IAF) contingent arrived at the Royal Australian Air Force (RAAF) Base Darwin, Australia for participating in the biennial, multi-national exercise

'Exercise Pitch Black 2024' on 11 July, 2024. The exercise is being conducted from 12 July to 2 August, 2024, hosted by the RAAF. This edition is the largest in the 43 year long history of Exercise Pitch Black, which includes participation by 20 countries, with over 140 aircraft and 4400 military personnel of various air forces.

Philippines and Japan strengthen Security Ties

Japan and the Philippines signed a key defence pact that will allow their militaries to broaden their engagement, including holding joint exercises to prepare for humanitarian emergencies and other contingencies

India to host Malabar Naval Exercise

India is gearing up to host the prestigious Malabar Naval Exercise alongside the United States, Japan, and Australia in the Bay of Bengal this October. The 28th edition of the exercise will focus on advanced anti-submarine warfare and aims to enhance military interoperability among the four countries.

India's installed Nuclear Power Capacity will increase

India's installed nuclear power capacity is set to increase from 8,180 MW to 22,480 MW by 2031-32. The country aims for a national capacity of 100,000 MW by 2047 to support its net-zero emissions goal by 2070.

-: August :-

GSL launched Yard 1258-'Triput' :

Goa Shipyard Limited launched GSL Yard 1258 named 'Triput', the indigenous P1135.6 Frigate, for the Indian Navy. The ship was launched by Rita Sreedharan, first lady of Goa. The ship has been named Triput, after the mighty arrow, representing the indomitable spirit of Indian Navy and its ability to strike far and deep. The Triput class ships are 124.8 m long and 15.2 m wide, with a draught of 4.5 m. Their displacement is approx. 3600 tons and speed a maximum of 28 knots.

Exercise Khaan Quest 2024 :

The Indian Army contingent has participated in the 21st multinational military exercise Khaan Quest 2024. This exercise was held from 27 July to 9 August 2024 in Ulaanbaatar, Mongolia. The exercise aims to develop interoperability and share best practices in tactics, techniques and procedures for joint operations among the participating countries.

The Indian contingent consists of 40 personnel from a Battalion of the Madras Regiment, along with

personnel from other Arms and Services. Approximately 430 participants from 23 countries are part of the exercise, including Australia, Canada, China, Japan, Turkiye, the United States and the United Kingdom.

Germany joined US-led UN Command in South Korea :

On 2 August 2024, the Federal Republic of Germany officially joined the United States of America led-United Nations Command (UNC) at Pyeongtaek, Seoul, South Korea. Germany became the 18th Member State of UNC. It is the first UNC expansion since Italy was reinstated in 2013. This move underscores Berlin's commitment to global security, linking European stability to the broader Indo-Pacific region.

Tarang Shakti 2024 :

India hosted its first multinational air exercise, 'Tarang Shakti 2024', in two phases. The first phase took place from 6-14 August, 2024 at the Air Force Station in Sular, Tamil Nadu. The second phase will be held in Jodhpur, Rajasthan from 29 August to 14 September.

It is the first multinational air exercise to be conducted in Indian soil after 61 years. The aim of this exercise is to promote interoperability among the air forces of participating nations, enabling them to share best practices and improve operational coordination. It also aims to strengthen our cultural and diplomatic relations with these countries.

In this exercise, nearly 30 countries participated and out of 30, ten countries joined the exercise with their fighter aircraft. For the first time, German Air Force came to India for an exercise.

Indian aircraft which participated in the 'Tarang Shakti' exercise are:

Su-30MKI, LCA Tejas, Mirage, Mig29K, Refueller IL-78 and heavy military transport aircraft C-130

Foreign aircraft which participated in the 'Tarang Shakti' exercise are:

- Rafale from France
- Typhoon from Germany
- F-18 from Australia
- F-16 from Greece
- C-130J from Bangladesh

Parvat Pahaar Exercise :

The Indian Army conducted a military exercise called 'Parvat Pahaar' (Mountain Strike) in the Ladakh region on 1 August 2024 focusing on high-altitude warfare and operations. This exercise is crucial for maintaining readiness near the India-China border.

The exercise lasts for over a fortnight. In the exercise various arms of the Army, including infantry, armoured units, artillery, and support units participated. The exercise also involves the deployment of new weapons acquired by the armed forces over the past four years to counter the Chinese threat.

This Indian military operation initiated in 1987 to combat militancy in the Himalayan regions. The exercise is designed to train soldiers to deal with the unique challenges they might face in mountainous areas. During the exercise, soldiers practice real-world combat scenarios, helping them to be better prepared for any potential conflicts. With over 500 tanks and 50,000 troops deployed since 2020, India continues to test the readiness of troops near the Line of Actual Control in the Eastern Ladakh.

Exercise Udara Shakti 2024 :

The Indian Air Force contingent participated in the Exercise Udara Shakti 2024 (EX US24), bilateral air exercise with the Royal Malaysian Air Force (RMAF) from 5-9 August, 2024 at the RMAF Base Station in Kuantan, Malaysia. It was aimed at bolstering operational efficiency, technical experts of both Air Forces engaged in exchange of their maintenance practices. The IAF brought their Su-30MKI fighter jets and the RMAF used Su-30MKM fighters.

Exercise Mitra Shakti 2024 :

The 10th edition of India- Sri Lanka Joint Military Exercise 'Mitra Shakti' is being conducting from 12 to 25 August 2024 at Army Training School, Maduru Oya, Sri Lanka. A unit of 120 soldiers from the Indian Army's Rajputana Rifles (Raj Rif) will participate in this exercise.

The focus of this edition's exercise is on joint operations in semi-urban environments, aligning with Chapter VII of the United Nations Charter.

The exercise was started in 2012 and is held alternately in India and Sri Lanka. Indian contingent comprising of 106 personnel is being represented by a Battalion of Rajputana Rifles along with personnel from other arms and services. The Sri Lankan contingent is being represented by personnel from Gajaba Regiment of Sri Lankan Army.

-: September :-

India commissioned Second Nuclear Missile Submarine, INS Arighat:

On 29 August, INS Arighat, India's second nuclear-powered ballistic missile submarine was commissioned in Visakhapatnam, Andhra Pradesh. The submarine

enhances India's nuclear deterrence and second-strike capability in the Indo-Pacific. It joins the first such submarine, the INS Arihant, which was commissioned into service in 2016.

About INS Arighat :

- INS Arighat is an advanced version of the first submarine in the Arihant-class, INS Arihant.
- INS Arighat is 112 meters long and weighs around 6,000 tonnes.
- It is equipped with K-15 nuclear ballistic missiles.
- INS Arighat can reach speeds of 12-15 knots on the surface and up to 24 knots while submerged.
- Its construction began in 2011 and it was launched in 2017.

Goa Shipyard launched India's first pollution control vessel Samudra Pratap for ICG :

Goa Shipyard Ltd. (GSL) is constructing two pollution control vessels for Indian Coast Guard (ICG). The first pollution control vessel, 'GSL Yard 1267' named 'Samudra Pratap' was launched at an event in Vasco da Gama, Goa. This is the first time that pollution control vessels are being designed and constructed indigenously.

About Samudra Pratap :

- The vessel is 114.5 m long, 16.5 m wide and displaces 4170 Tonnes.
- The ship will be manned by 14 Officers and 115 Sailors.
- It will be the first-ever Diesel-Electric PCV with a battery energy storage system designed to reduce the consumption of fossil fuels.
- It is the first indigenously designed and built hybrid Sea Going Vessel in India.

India-France Naval Exercise Varuna 2024 :

The 22nd edition of the India-France bilateral naval Exercise 'Varuna' was conducted successfully in the Mediterranean Sea from 2-4 September, 2024, showcasing the deepening defence collaboration between the two nations. This exercise featured advanced maritime operations involving the Indian Navy's stealth frigate INS Tabar and the LRMR P8I aircraft, alongside France's naval forces, including the frigate FS Provence, the nuclear-powered submarine Suffren, and various aircraft such as the Atlantique 2.

About Varuna Exercise :

- The India-France naval exercise Varuna is a bilateral exercise initiated in 2001.

- The joint exercise is held either in the Indian Ocean or Mediterranean Sea.
- It exemplifies the commitment of Indian and French Navies towards enhancing interoperability through collaborative efforts.

India launched Mahe Class Anti-Submarine Warfare Vessels :

Indian Navy launched the Mahe-class Anti-Submarine Warfare (ASW) Shallow Water Craft (SWC) vessels Malpe and Mulki on 9 September, 2024 at Cochin Shipyard Ltd. in Kochi, Kerala.

These vessels are part of the Eight Anti-Submarine Warfare Shallow Water Craft which was initiated between the Indian Ministry of Defence and CSL on 30 April, 2019. Malpe and Mulki are the fourth and fifth ship in the Mahe Class respectively. The first three vessels are: Mahe (First vessel), Malvan (Second vessel) and Mangrol (Third vessel). They enhance India's coastal defense with advanced sonar and stealth technology. The project replaces older Russian vessels and highlights India's growing defense manufacturing capabilities.

India-USA Joint Military Exercise YUDH ABHYAS-2024 :

The 20th edition of India-USA Joint Military Exercise YUDH ABHYAS-2024 is being conducting from 9-22 September, 2024 at Foreign Training Node in Mahajan Field Firing Ranges, Rajasthan. The exercise is featuring 600 Indian troops from the Rajput Regiment and 600 US soldiers from the 11th Airborne Division. The focus is on enhancing counter-terrorism capabilities in a semi-desert environment.

About YUDH-ABHYAS :

- Yudh Abhyas is an annual training practice between the United States Army and Indian Army.
- It is being held since 2004.
- It aims to strengthen the India-USA defence partnership and boost cooperation.
- It is the largest running joint military training and defence cooperation endeavor between India and the US.

Exercise Kakadu 2024 :

The 16th edition of the biennial exercise between the Royal Australian Navy and the Royal Australian Air Force is being held in Darwin, Australia from 7-20 September, 2024.

- The theme for this year's exercise is "Regional Cooperation through Trusted and Proven Partnerships".

- The Indian Navy's P8I aircraft, led by Commanding Officer Captain Ajay Kanwar, has participated in the 16th edition of Exercise Kakadu 2024.
- The 2024 iteration of Exercise Kakadu involves:
 - More than 3000 uniformed personnel participating from 32 countries
 - Over 10 warships-including a submarine
 - Over 10 aircraft - including maritime patrol aircraft and unmanned systems

About Exercise Kakadu :

- Exercise Kakadu is a joint-enabled, biennial exercise hosted by the Royal Australian Navy and supported by the Royal Australian Air Force.
- It started in 1993.

-: October :-

Indian Coast Guard attended the 20th HACGAM

- HACGAM started in Japan in 2004 to combat piracy and now has 23 member nations.
- The Indian Coast Guard was founded on February 1, 1977, under the Ministry of Defence.
- It focuses on patrolling, maritime safety, and enforcing laws at sea.
- The motto of the Indian Coast Guard is "VayamRakshamah," meaning "We Protect."
- HACGAM boosts regional cooperation, knowledge sharing, and strategic partnerships.

Indian Air Force's Sarang Team to Showcase at Egypt International Airshow 2024

- The Sarang Helicopter Display Team will participate in the Egypt International Airshow from September 3-5, 2024, at Al-Alamein International Airport.
- They will display five Advanced Light Helicopters (ALH Mk-I) by Hindustan Aeronautics Limited (HAL).
- The helicopters are transported via C-17 Globemaster, showcasing IAF's logistical capabilities.
- Participation underscores India's self-reliance in aviation and enhances ties with Egypt.
- The airshow promotes industrialization, digitalization, and globalization in aerospace.
- Key features: aircraft displays, aerospace conferences, and exhibitions.

Ulchi Freedom Shield Exercises

- The 51st Fighter Wing at Osan Air Base is integrating its readiness exercise into Ulchi Freedom Shield 24 from August 19-23, 2024.
- The exercise includes local flying and agile combat employment (ACE) operations.
- Aircraft and personnel will operate from a cooperating base in Korea to enhance readiness.
- The exercise demonstrates U.S. commitment to regional security and improves combined defense capabilities.

Indian Army Departs for Joint Exercise AL NAJAH V with Oman

- The Indian Army has departed for the 5th India-Oman Joint Military Exercise AL NAJAH V.
- The exercise will be held from September 13-26, 2024, in Salalah, Oman.
- Sixty Indian soldiers from the Mechanised Infantry Regiment will participate.
- They will train alongside Oman's Frontier Force.
- The focus is on counter-terrorism operations in desert conditions.
- The exercise aims to strengthen military cooperation and bilateral ties.

Rajnath Singh Inaugurates IDAX-24 Expo in Jodhpur

- Defence Minister Rajnath Singh inaugurated IDAX-24 on September 12, 2024, in Jodhpur.
- The event runs from September 12-14 alongside Exercise Tarang Shakti-24.
- Highlights aviation innovations from DPSUs, DRDO, private industries, and startups.
- Air forces from seven nations participate, with 16 countries as observers.
- Singh emphasized global defence cooperation and India's aviation capabilities.

VINETRA Commissioned at INS Satavahana

- VINETRA was commissioned at INS Satavahana, Visakhapatnam.
- Vice Admiral Rajesh Pendharkar led the commissioning.
- It was built by L&T Defence under the 'Aatmanirbhar Bharat' initiative.
- The facility provides advanced escape training for submarine crews.

- It focuses on safety for Kalvari-class submarines.
- These submarines are based on French Scorpène-class designs.
- Kalvari-class submarines are vital to India's naval defense.

Navika Sagar Parikrama II: All-Women Global Circumnavigation

- Navika Sagar Parikrama II will be led by Lt Cdr Roopa A and Lt Cdr Dilna K.
- They will embark on an all-women circumnavigation aboard INSV Tarini.
- The officers trained for three years under Cdr Abhilash Tomy (Retd.).
- The mission promotes seamanship, gender equality, and India's maritime heritage.
- It follows the success of Navika Sagar Parikrama I (2017-2018).
- The first mission covered 21,600 nautical miles in 254 days.
- Navika Sagar Parikrama I inspired Nari Shakti and national pride.

Top 10 Countries with the Highest Military Spending

- **Global Military Spending:** \$2,443 billion in 2023-24, up 6.8%.
- **Regional Growth:** All regions increased spending for the first time since 2009.
- **Economic Share:** Military spending is 2.3% of global GDP.

Key Players

USA: \$916 billion (3.4% of GDP)

China: \$296 billion (1.7% of GDP)

Russia: \$109 billion (up 24%, 5.9% of GDP)

Ukraine: \$64.8 billion (up 51%, 37% of GDP)

India's DRDO and IIT Delhi Develop ABHED Bulletproof Jackets

ABHED (Advanced Ballistics for High Energy Defeat) are lightweight bulletproof jackets developed by DRDO and IIT Delhi.

- **Materials:** Polymers and boron carbide ceramic.
- **Weight:** 8.2 kg (BIS Level 5) and 9.5 kg (BIS Level 6).
- **Protection:**
Level 5: Defeats 8 AK-47 bullets; protects against

SLR and AK-47 mild steel core bullets.

Level 6: Defeats 6 sniper bullets; additional protection against various ammunition types.

DRDO: Established in 1958, it focuses on indigenous defence technologies and supports Indian industries.

Russia and China Naval Exercises

- **Start:** Naval exercises initiated in the Sea of Japan.
- **Focus:** Anti-aircraft and anti-submarine capabilities.
- **Objective:** Enhance cooperation and address security threats.
- **Name:** Beibu/Interaction - 2024; includes artillery firing.
- **Context:** Third drill; aims to counter U.S. influence amid the Ukraine war.

Arti Sarin: Trailblazer as First Woman DG of Armed Forces Medical Services

- **Historic Achievement:** First woman to become Director General of Armed Forces Medical Services (DGAfMS).
- **Education:** Graduated from Armed Forces Medical College (AFMC), holds advanced degrees in oncology and radiodiagnosis.
- **Career Highlights:** Served across all three armed forces; former Command Medical Officer and DG Medical Services.
- **Awards:** Recipient of Ati Vishisht Seva Medal and various commendations for distinguished service.
- **Tenure Goals:** Enhance healthcare for armed forces personnel and promote women's roles in military service.

-: November :-

India Approves New Missile Testing Range in Andhra Pradesh

The Cabinet Committee on Security, led by PM Narendra Modi, has approved a new missile testing range in Nagayalanka, Andhra Pradesh, to strengthen India's Defence capabilities, focusing on tactical missile systems like surface-to-air and anti-tank missiles. Alongside this, CCS approved 31 Predator drones from the U.S. and two nuclear submarines under Project ATV. Andhra Pradesh CM N Chandrababu Naidu praised the facility's role in boosting Defence technology and job creation, with completion expected in three years. This project builds on India's longstanding investment in advanced missile testing infrastructure.

China Launches New Crew to Enhance Space Station Operations

China launched the Shenzhou-19 spacecraft carrying three astronauts, including the country's first female space engineer, for a six-month mission to advance operations at China's low-orbit space station. Launched from Jiuquan Satellite Launch Centre, the crew will fine-tune station functions, conduct 86 experiments, and carry out EVAs. The mission aims to enhance scientific research in areas like microgravity physics and space medicine. China's space station, distinct from the ISS, could become the primary low-Earth orbit station as the ISS retires. Future goals include lunar missions and habitable planet exploration.

ISRO Launches Analogue Space Mission in Leh

ISRO has launched a pioneering analogue space mission in Leh, Ladakh, to simulate life in an interplanetary habitat, aiming to prepare for challenges of establishing a base beyond Earth. In collaboration with ISRO's Human Spaceflight Center, AAKA Space Studio, the University of Ladakh, IIT Delhi, and the Ladakh Autonomous Hill Development Council, the mission will test astronaut challenges under Mars-like conditions in Ladakh's extreme climate. The project will also assess technologies, habitats, and team dynamics, making analogue missions a cost-effective way to gather insights and reduce resource demands for future space exploration.

ISRO to Launch EU's Proba-3 Satellite, Targets Major Space Milestones

ISRO will launch the EU's Proba-3 Solar Observation Mission in December from Sriharikota, marking India's third collaboration with the EU in space. This mission, launching on the PSLV-XL rocket, will study the Sun's corona, strengthening India's role in global solar science. ISRO's ambitious goals include a manned Moon mission by 2040 and the establishment of the Bharatiya Antariksha Station by 2035. With enhanced collaborations and a 1,000-crore fund for space startups, India aims to expand its space sector share globally from 2% to 10%, fostering responsible space innovation alongside EU partnerships.

IIT Madras and ISRO Partner on Spacecraft Thermal Research

IIT Madras and ISRO are launching a Centre of Excellence for "Fluid and Thermal Sciences," focusing on spacecraft thermal management. Supported by an

initial ¹ 1.84 crore from ISRO, the Centre will address thermal challenges in spacecraft, hybrid rocket combustion, and cryogenic tank studies. This collaboration, part of a longstanding partnership, aims to foster innovations that advance India's self-reliance in space technology.

'Swavlamban Shakti' Exercise

The Indian Army's Sudarshan Chakra Corps is conducting the 'Swavlamban Shakti' exercise at the Babina Field Firing Ranges near Jhansi from October 17-22, 2024. The exercise focuses on integrating niche and emerging technologies to enhance combat readiness. Approximately 1,800 personnel and over 50 new technologies, including drones, robotic mules, and directed energy weapons, are being showcased. The exercise fosters collaboration with over 40 industry partners, including DRDO and Defence startups, aimed at boosting indigenous Defence capabilities and validating innovations in drone and anti-drone technologies.

Swavlamban 2024: Advancing Naval Innovation and Indigenisation

Swavlamban 2024, hosted by the Indian Navy on October 28-29, focuses on innovation and indigenisation to strengthen India's Defence capabilities. The seminar, themed "Strength and Power through Innovation and Indigenisation," will feature Hackathon Challenges and discussions on niche technologies. With the aim of achieving Aatmanirbharta (self-reliance), the Navy is introducing two special task forces to address technological gaps. The event will unveil the Swavlamban 3.0 Document and support the innovation ecosystem with funding and recognition for innovators.

India Launches Fourth Nuclear Submarine (S4) to Boost Navy's Strategic Capabilities

India's fourth nuclear-powered ballistic missile submarine (SSBN), S4, was launched at the Ship Building Centre in Visakhapatnam on October 16, 2024. This advanced submarine, equipped with K-4 nuclear ballistic missiles (3,500 km range), strengthens India's naval deterrence. The S4 features 75% indigenous components and enhances India's underwater combat capabilities, alongside current patrols by INS Arihant and INS Arighaat. As part of a broader strategy to counter maritime threats, India prioritizes nuclear submarines over aircraft carriers, with future plans for advanced SSBNs and diesel attack submarines.

63rd ITBP Raising Day 2024: Honoring the Guardians of the Himalayas

The Indo-Tibetan Border Police (ITBP) celebrated its 63rd Raising Day on October 24, 2024, marking its founding in 1962 post the Sino-Indian War. Tasked with securing India's northern borders along the 3,488 km-long Line of Actual Control (LAC), the ITBP operates in some of the world's most challenging terrains. With over 88,000 personnel, the ITBP specializes in mountaineering, skiing, and disaster relief, contributing to both national security and global recognition in competitions. The day serves as a tribute to the force's commitment, bravery, and sacrifices in safeguarding India's sovereignty.

SIMBEX 2024

The 31st Singapore India Maritime Bilateral Exercise (SIMBEX) is underway from October 23-29, 2024, at Visakhapatnam's Eastern Naval Command. This annual exercise, which began in 1994 as 'Exercise Lion King,' aims to strengthen maritime security and interoperability between the Indian Navy and Republic of Singapore Navy. The exercise includes a Harbour Phase (Oct 23-25) with expert exchanges, sports events, and cross-deck visits, followed by a Sea Phase (Oct 28-29) with live weapon drills and anti-submarine, anti-surface, and anti-air warfare operations. SIMBEX enhances Defence collaboration and maritime domain awareness, reinforcing the Indo-Pacific security framework.

India-Germany Maritime Partnership Exercise (MPX): Enhancing Naval Cooperation

The Indian and German Navies recently completed their first Maritime Partnership Exercise (MPX) in the Bay of Bengal, a significant milestone in their naval collaboration. The exercise involved joint operations with INS Delhi, a guided-missile destroyer from India, and Germany's Baden-Württemberg frigate and Frankfurt Am Main replenishment tanker. The exercise included cross-deck flying, underway replenishment, weapon firing drills, and tactical maneuvers, aimed at improving operational readiness and interoperability. This partnership strengthens the strategic ties between India and Germany, enhancing maritime security and regional stability in the Indo-Pacific.

GSL Launches Two Indigenous Fast Patrol Vessels for Indian Coast Guard

Goa Shipyard Limited (GSL) launched two indigenous Fast Patrol Vessels (FPVs), Adama and Akshar, for the Indian Coast Guard on October 28, 2024. Designed

to enhance the protection of offshore assets and conduct surveillance operations, these 52-meter vessels have a displacement of 320 tonnes. This launch marks a significant milestone for GSL, supporting India's 'Atmanirbhar Bharat' initiative in Defence production. The event, led by Priya Paramesh, wife of the Indian Coast Guard DG, celebrated GSL's innovation and resilience, despite challenges like the COVID-19 pandemic. GSL is constructing eight such vessels, showcasing its leadership in indigenous shipbuilding.

VINBAX 2024

The 5th edition of the Vietnam-India Bilateral Army Exercise, VINBAX 2024, commenced on November 4, 2024, at Ambala, with additional activities planned at Chandimandir until November 23. The exercise aims to enhance military cooperation and interoperability between India and Vietnam, with a focus on joint military capabilities, peacekeeping operations, and humanitarian assistance. This year marks the inclusion of both Army and Air Force personnel from both nations. Key activities include a 48-hour validation exercise on disaster relief, technical displays, and cultural exchanges. VINBAX, established in 2018, strengthens Defence ties and promotes shared best practices.

Indian Military Heritage Festival 2024: Honouring India's Military Legacy

The 2nd edition of the Indian Military Heritage Festival (IMHF) will begin on November 8, 2024, in New Delhi. This two-day event, supported by the Ministry of Defence, aims to engage global and Indian experts on national security, military history, and heritage. Highlights include the launch of Project 'Shaurya Gatha' to promote military heritage, the release of military history books, a photo exhibition by DRDO, and youth engagement with NCC cadets and students. The festival, backed by the Indian Armed Forces and other key institutions, aims to honour India's military legacy and inspire future generations.

DRDO Successfully Tests Long Range Land Attack Cruise Missile

On November 12, 2024, DRDO successfully tested the Long Range Land Attack Cruise Missile (LRLACM) with a 1,000 km range from Odisha's Integrated Test Range. The missile, launched from a mobile platform, met all mission objectives, demonstrating advanced avionics, waypoint navigation, and the ability to launch from mobile platforms and ships. Developed by DRDO's Aeronautical Development Establishment with support from Indian industries, the LRLACM marks a significant leap in India's missile capabilities,

bolstering self-reliance in defence technology.

Project Akashteer: Revolutionizing India's Air Defence

Project Akashteer, a landmark initiative by the Indian Army, aims to modernize India's air Defence with cutting-edge technology. This system integrates advanced sensor fusion, real-time air picture generation, automated operations, and decentralized engagement authority, enabling swift and precise responses to aerial threats, including supersonic missiles, drones, and enemy aircraft. Designed for scalability and flexibility, Akashteer supports both mobile and static deployments, ensuring robust Defence in sensitive regions. With phased induction underway, the project underscores India's commitment to securing its airspace and strengthening national security.

Gyan Shakti: South Western Command's New Defence Think Tank

The South Western Command in Jaipur has launched **Gyan Shakti**, a think tank to bolster Rajasthan's Defence industrial base by fostering collaboration between the armed forces, industry, academia, and government. Leveraging veterans' expertise, it aims to advance Defence self-reliance and nation-building. The inaugural seminar highlighted opportunities in Defence manufacturing, showcasing cutting-edge technologies and Rajasthan's potential as a Defence hub due to its strategic location, skilled workforce, and robust infrastructure.

India's Hypersonic Missile Test: A Defence Milestone

India successfully tested its first long-range hypersonic missile on November 16 at Dr. APJ Abdul Kalam Island, Odisha. Developed by DRDO, the missile travels over Mach 5 (6,174 km/h) with a range exceeding 1,500 km, capable of striking both moving sea and static land targets. This achievement places India among elite nations like Russia, China, and the U.S. in hypersonic weaponry. Defence Minister Rajnath Singh praised the test, highlighting its significance in advancing India's strategic Defence capabilities and global military stature.

NASA and Microsoft Launch Earth Copilot for Easy Access to Geospatial Data

NASA and Microsoft have introduced Earth Copilot, an AI-powered chatbot designed to simplify access to NASA's extensive geospatial data. Built on Microsoft's Azure cloud, the tool allows users to retrieve complex Earth Science insights through plain-language queries, enabling efficient analysis of climate trends, disaster impacts, and urban planning data. Currently in its

prototype phase, Earth Copilot will integrate with NASA's VEDA platform, making advanced geospatial information accessible to researchers, educators, and policymakers. This collaboration empowers diverse user groups to make informed decisions on critical global issues like climate change and disaster readiness.

-: December :-

India-Cambodia Joint Exercise CINBAX

- **Location:** Pune, India (1-8 Dec 2024)
- **Focus:** Counter-terrorism, hybrid warfare, HADR.
- **Participants:** 20 personnel each from Indian & Cambodian Armies.
- **Goal:** Strengthen ties, showcase Indian defense, enhance peacekeeping.

Harimau Shakti 2024

- **Date:** Dec 2-15, 2024
- **Location:** Bentong Camp, Malaysia
- **Focus:** Joint counterinsurgency in jungle terrain
- **Forces:** 78 Indian, 123 Malaysian troops
- **Goal:** Strengthen defense ties and interoperability

US Approves \$1.17B Deal for Indian Navy Chopper

- **Deal:** \$1.17B for advanced systems and support for MH-60R helicopters.
- **Capabilities:** Anti-submarine warfare, missiles, advanced sonar/radar.
- **Strategic:** Boosts India's naval strength in the Indian Ocean.
- **Significance:** Strengthens US-India defense ties.

Adani Defence Delivers 2nd Drishti-10 Drone

- **Delivery:** 2nd Drishti-10 drone to Indian Navy.
- **Features:** 36-hour endurance, NATO-certified, autonomous ISR.
- **Deployment:** Active in Porbandar; also used by the Indian Army.
- **Impact:** Enhances India's self-reliant maritime surveillance and defense.

India Plans Anti-Drone Unit for Border Security

- **Anti-Drone Unit:** To be set up with advanced laser-equipped systems.
- **Effectiveness:** Drone interception rate along Punjab border increased to 55%.
- **CIBMS:** Pilot in Assam, to expand to other borders.
- **Welfare:** Ayushman CAPF Scheme issued 41.2 lakh cards, settled Rs 1,600 crore in claims.

INS Tushil Commissioned

- **Commissioned:** Russian-built INS Tushil into Indian Navy.
- **Collaboration:** 26% indigenous content, part of 2016 India-Russia deal.
- **Capabilities:** 3,900-tonne frigate with advanced stealth.
- **Significance:** Boosts India's naval power against Chinese influence in the Indian Ocean.
- **Vision:** Supports India's SAGAR initiative for maritime security.

Desert Knight Exercise

- **Participants:** India, France, UAE
- **Objective:** Boost defence cooperation and air force interoperability.
- **Aircraft:** India (Sukhoi-30MKI, Jaguars), France (Rafale), UAE (F-16).
- **Location:** Arabian Sea, 350-400 km southwest of Karachi.
- **Duration:** 3 days.
- **Strategic Importance:** Strengthens regional ties and addresses global security challenges.

SLINEX 2024

- **Dates:** Dec 17-20, 2024
- **Location:** Visakhapatnam
- **Phases:**
 - o **Harbour:** Professional exchanges
 - o **Sea:** Joint operations, drills
- **Participants:** India (INS Sumitra), Sri Lanka (SLNS Sayura)
- **Focus:** Strengthen ties, improve interoperability, ensure regional security.

INS Nirdeshak Commissioned

- **Date:** Dec 18, 2024, Visakhapatnam
- **Built by:** Garden Reach Shipbuilders & Engineers
- **Specs:** 110m, 3,800 tons, advanced hydrographic tech
- **Role:** Maritime operations, sea mapping, naval support
- **Significance:** Boosts India's maritime presence, successor to decommissioned INS Nirdeshak.

Govt Forms Committee to Assess IAF's Capability Development

- **Committee Head:** Defence Secretary Rajesh Kumar Singh
- **Focus:** Enhance IAF's capabilities against growing threats from China and Pakistan.
- **Key Issues:** Fighter aircraft shortages, weaponry gaps, and indigenous development delays.
- **Committee Members:** Defence Ministry officials, DRDO chief, Air Marshal T Singh.
- **Expected Outcome:** Report in 2-3 months on future aircraft acquisitions and upgrades.

India's Defence Exports Reach Rs. 21,083 Crore in 2023-24

- **Defence Exports:** Rs 21,083 crore (USD 2.63 billion), 32.5% growth from previous year.
- **Indigenous Production:** Rs 1,26,887 crore, 16.7% increase.
- **Private Sector Contribution:** 60% of exports.
- **DPSUs Contribution:** 40% of exports.
- **Growth Targets:** Rs 50,000 crore in exports by 2029.
- **Indigenisation:** 5 new Positive Indigenisation Lists.

India's Ranking in Different in Different Index 2024

Index	Index released by	India's Rank	1st Rank
Global City Index	Brand Finance	350th	London
Climate Change Performance Index-2024	Germanwatch, New Climate Institute, and Climate Action Network International	7th	Denmark
QS World University Rankings Sustainability	University of Toronto (Canada)	171st (IIT Delhi)	Canada
Network Readiness Index 2024	Portulans Institute	49th	United States
Global Hunger Index 2024	Concern Worldwide (an Irish humanitarian organization) and Welthungerhilfe (a German aid agency)	105th	Somalia
FIFA World Rankings	Federation Internationale de Football Association (FIFA)	126th	Argentina
Central Banker Globally	US-based Global Finance Magazine	1st (former RBI Governor Shaktikanta Das)	—
2024 Rule of Law Index	World Justice Project (WJP)	79th	Denmark
Urban Governance Index (UGI) 2024	Praja Foundation	Kerala	—
2024 Global Nature Conservation Index	Goldman Sonnenfeldt School	176th	Luxembourg
Henley Passport Index	Henley & Partners	82nd	Singapore
TIME's World's Best Companies 2024	TIME, in collaboration with Statista	HCLTech at 111, Infosys at 118 and Wipro at 133	Apple
World Talent Ranking 2024	International Institute for Management Development (IMD)	58th	Switzerland
Global Innovation Index (GII) 2024	World Intellectual Property Organization (WIPO)	39th	Switzerland
LinkedIn Global MBA Ranking 2024	LinkedIn	51st (IIFT)	Harvard Business School
Global Cybersecurity Index (GCI) 2024	International Telecommunication Union (ITU)	Tier-1 Status	United States
Annual Best Countries Ranking 2024	U.S. News & World Report's	33	Switzerland
2024 State Food Safety Index (SFSI)	Food Safety and Standards Authority of India (FSSAI)	Kerala	—

Index	Index released by	India's Rank	1st Rank
2024 Asia Power Index	Lowy Institute	3rd	USA
Travel and Tourism Development Index (TTDI) 2024	World Economic Forum (WEF)	39th	United States
Fortune's global 500	Fortune	Reliance industries (86th)	Walmart
Prime global cities index Q2 2024	Knight frank	Mumbai (2nd) Delhi (3rd)	Manila
NIRF Rankings 2024	The ministry of education, Government of India	IIT Madras (Institute In Engineering) IISc, Bengaluru (Universities)	—
Container Port Performance Index-2023	World Bank	Visakhapatnam Port (20th)	Yangchan Port in China and Port of Salaah in Oman
WEF's Global Gender Gap Index-2024	World Economic Forum	129th	Iceland
IEP Global Peace Index 2024	Institute for Economics & Peace	116th	Iceland
WEF's Energy Transition Index-2024	World Economic Forum	63rd	Sweden
World Press Freedom Index 2024	Global Media Watchdog Reporters	159	Norway
World University Rankings (CWUR) 2024	The Center for World University Rankings	Indian Institute of Management (IIM) Ahmedabad, 410	Harvard University
Young University Rankings 2024	Times Higher Education	Mahatma Gandhi University (MGU) in Kottayam, 81	Nanyang Technological University (NTU), Singapore
Travel & Tourism Development Index (TTDI) 2024	World Economic Forum	39th	United States
Oxford Economics Global Cities Index 2024	Oxford Economics	350th position, New Delhi	New York City
Bloomberg Billionaires Index 2024	Bloomberg L.P.	Mukesh Ambani (17th) and Gautam Adani (19th)	Elon Mask (USA)
The Business Environment Rankings (BER) for 2024	The Economist Intelligence Unit (EIU)	51th & 3rd Most Improving Country	Singapore
'World cybercrime index' -2024	International team of researchers	10th	Russia

Index	Index released by	India's Rank	1st Rank
Human Development Index (HDI)	United Nations Development Programme (UNDP)	134th	Switzerland
Women, Business, and the Law 13	World Bank Group (WBL) 2024	113th	Belgium & Other countries
State Energy Efficiency Index (SEEI) 2023	Bureau of Energy Efficiency (BEE) and the Alliance for an Energy-Efficient Economy (AEEE)	Karnataka	—
Gender Inequality Index (GII)-2024	United Nations Development Programme (UNDP)	129th	Iceland
Henley Passport Index-2024	Henley & Partners in partnership with the International Air Transport Association (IATA)	82th	Singapore
International IP Index 2024	Global Innovation Policy Center (GIPC) of the U.S. Chamber of Commerce	42nd	USA
Corruption Perceptions Index-2024	Transparency International	93rd	Denmark
Good Governance Index 2024	Department of Administrative Reforms and Public Grievances (DARPG)	—	Tamil Nadu
Global Unicorn Index 2024	Hurun Research Institute	3rd	United States

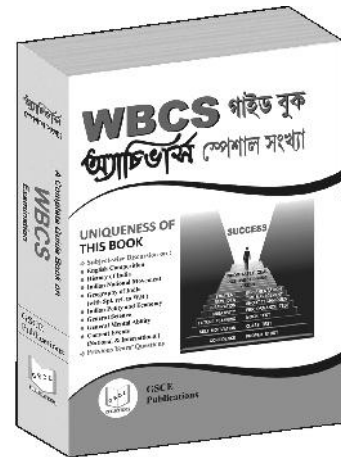
ACHIEVERS Special WBCS Guide Book

পুনর্মার্জিত ও নবতম সংস্করণ প্রকাশিত হয়েছে

WBCS-2023-এর প্রিলি ও মেন পরীক্ষার জন্য বইটি অবশ্যই সংগ্রহে রাখুন।

বইটির

- ❖ WBCS Preliminary পরীক্ষার পূর্ণাঙ্গ সিলেবাস অর্থাৎ পরীক্ষার আটটি বিষয়ের উপর Point Wise পুঙ্খানুপুঙ্খ আলোচনা।
- ❖ ২০২২-২৩ সালের কেন্দ্রীয় বাজেট, ২০২১-২২ এর অর্থনৈতিক সমীক্ষা এবং ফেব্রুয়ারি-২০২২ পর্যন্ত গুরুত্বপূর্ণ কারেন্ট অ্যাফেয়ার্সের পূর্ণাঙ্গ তথ্য।
- ❖ বিষয়ভিত্তিক মডেল সেট।
- ❖ বিগত ১৩ বছরের প্রশ্নোত্তর।
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- ❖ বিগত বছরগুলির কাট-অফ মার্ক সংক্রান্ত তথ্যাবলী।
- ❖ WBCS সহ অন্যান্য সরকারি চাকরির পরীক্ষা প্রস্তুতির অপরিহার্য সহায়ক বই।



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Sports

Sports Name	Winners	Runner Up
WTT Feeder Beirut 2024 (March 19-21, 2024)	G. Sathiyam (Men's Singles)	Manav Thakkar
	Andy Pereira & Jorge Campos (Cuba) (Men's Doubles)	Manav Thakkar & Manush Utpalbhai Shah (India)
	Xia Lian Ni (Women's Singles)	Suh Hyo Won
	Doo Hoi Kem (Hong Kong) & Zhu Chengzhu (China) (Women's Doubles)	Manav Thakkar & Manush Utpalbhai Shah (India)
Barcelona Open 2024 (April 15-21, 2024)	Casper Ruud (Norway) (Men's Singles)	Stefanos Tsitsipas (Greece)
	Maximo Gonzalez & Andres Molteni (Argentina) (Men's Doubles)	Hugo Nys (Monaco) & Jan Zielinski (Poland)
Madrid Open 2024 (May 5-12, 2024)	Iga Swiatek (Women's Singles)	Aryna Sabalenka
	Andrey Rublev (Men's Singles)	Felix Auger-Aliassime
	Sara Sorribes & Cristina Bucsa (Women's Doubles)	Barbora Krejcikova & Laura Siegemund
	Jordan Thompson & Sebastian Korda (Men's Doubles)	Adam Pavlesak & Ariel Behra
Italian Open 2024 (May 13-19, 2024)	Alexander Zverev (Germany) (Men's Singles)	Nicolas Jarry (Chile)
	Iga Swiatek (Poland) (Women's Singles)	Aryna Sabalenka (Belarus)
	Marcell Granollers & Horacio Zeballos (Spain/Argentina) (Men's Doubles)	Mate Pavic & Marcelo Arevalo (Croatia/El Salvador)
	Sara Errani & Jasmine Paolini (Italy) (Women's Doubles)	Coco Gauff & Erin Routliffe (USA/New Zealand)
Australian Open 2024 (Jan 14-28, 2024)	Jannik Sinner (Italy) - Men's Singles	Daniil Medvedev (Russia)
	Aryna Sabalenka (Belarus) - Women's Singles	Zheng Qinwen (China)
	Rohan Bopanna (India) & Matthew Ebden (Australia) - Men's Doubles	Simone Bolelli (Italy) & Andrea Vavassori (Italy)
	Hsieh Su-wei (Taiwan) & Elise Mertens (Belgium) - Women's Doubles	Lyudmyla Kichenok (Ukraine) & Jeļena Ostapenko (Latvia)
French Open 2024 (May 27-June 9, 2024)	Hsieh Su-wei (Taiwan) & Jan Zieliński (Poland) - Mixed Doubles	Desirae Krawczyk (USA) & Neal Skupski (Great Britain)
	Carlos Alcaraz (Men's Singles) - Spain	Alexander Zverev (Germany)
	Iga Swiatek (Women's Singles) - Poland	Jasmine Paolini (Italy)
	Marcelo Arevalo & Mate Pavic (Men's Doubles) - El Salvador/Croatia	Simone Bolelli & Andrea Vavassori (Italy)
Wimbledon Championships 2024 (July 1-14, 2024)	Coco Gauff & Katerina Siniakova (Women's Doubles) - USA	Sara Errani & Jasmine Paolini (Italy)
	Laura Siegemund & Edouard Roger-Vasselin (Mixed Doubles) - Germany/France	Desirae Krawczyk & Neal Skupski (USA/Great Britain)
	Carlos Alcaraz (Men's Singles) - Spain	Novak Djokovic (Serbia)
Wimbledon Championships 2024 (July 1-14, 2024)	Barbora Krejcikova (Women's Singles) - Czech Republic	Jasmine Paolini (Italy)
	Harri Heliövaara (Finland) & Henry Patten (Great Britain) - Men's Doubles	Max Purcell (Australia) & Jordan Thompson (Australia)

Sports Name	Winners	Runner Up
	Kateřina Siniaková (Czech Republic) & Taylor Townsend (USA)- Women's Doubles	Gabriela Dabrowski (Canada) & Erin Routliffe (New Zealand)
	Hsieh Su-wei (Taiwan) & Jan Zieliński (Poland)- Mixed Doubles	Santiago González (Mexico) & Giuliana Olmos (Mexico)
Wimbledon Championships Junior 2024 (July 6-14, 2024)	Nicolai BudkovKjær (Boys' Singles)-Norway	Mees Röttgering (Netherlands)
	Renata Jamrichova (Girls' Singles)-Slovakia	Emerson Jones (Australia)
	Alexander Razeghi (Boys' Doubles)- United States, Max Schönhaus- Germany	Jan Klimas/Jan Kumstát (Czech Republic)
	Tyra Caterina Grant / Iva Jovic (Girls' Doubles)- United States	Mika Stojsavljevic / Mingge Xu (United Kingdom)
US Open Tennis Championships 2024 Aug 26 - Sept 8, 2024	Jannik Sinner (Italy)- Men's Singles	Daniil Medvedev (Russia)
	Aryna Sabalenka (Belarus)- Women's Singles	Iga Swiatek (Poland)
	Max Purcell (Australia) & Jordan Thompson (Australia)- Men's Doubles	Ivan Dodig (Croatia) & Austin Krajicek (USA)
	Lyudmyla Kichenok (Ukraine) & Jeřena Ostapenko (Latvia)- Women's Doubles	Coco Gauff (USA) & Jessica Pegula (USA)
	Sara Errani (Italy) & Andrea Vavassori (Italy)-/ Mixed Doubles	Tereza Mihalikova (Slovakia) & Alexander Zverev (Germany)
Miami Open 2024 Tennis Tournament (March 18-31, 2024)	Jannik Sinner (Italy) [Men's Singles]	Daniil Medvedev (Russia)
	Danielle Collins (United States) [Women's Singles]	Iga Swiatek (Poland)
	Rohan Bopanna (India) / Matthew Ebden (Australia) [Men's Doubles]	Juan Sebastián Cabal (Colombia) / Robert Farah (Colombia)
	Sofia Kenin (United States) / Bethanie Mattek-Sands (United States) [Women's Doubles]	Coco Gauff (United States) / Jessica Pegula (United States)
India Open 2024	Shi Yuqi (China)[Men's Singles]	Lakshya Sen (India)
	Tai Tzu-ying (Chinese Taipei) [Women's Singles]	Chen Yufei (China)
	Kang Min-hyuk & Seo Seung-jae (South Korea) [Men's Doubles]	SatwiksairajRankireddy& Chirag Shetty (India)
	Mayu Matsumoto & Wakana Nagahara (Japan) [Women's Doubles]	Zhang Shuxian / Zheng Yu (China)
	Dechapol Puavaranukroh & Sapsiree Taerattanachai (Thailand)[Mixed Doubles]	Jiang Zhenbang / Wei Yaxin (China)
3rd Elorda Cup 2024 (Women's Boxing)	Nikhata Zareen (India) - 52 kg	ZhaziraUrakbayeva (Kazakhstan)
	Minakshi (India) - 48 kg	Gulnaz Buribayeva (Kazakhstan)
	Anamika (India) - 50 kg	Gulnar Turapbay (Kazakhstan)
	Manisha (India)	Tangatar Assem (Kazakhstan)
Doha Diamond League 2024	Jakub Vadlejch (Czechia)	Neeraj Chopra (India)
Federation Cup 2024 (Men's Javelin Throw)	Neeraj Chopra	DP Manu
Sultan Azlan Shah Trophy 2024	Japan	Pakistan

Sports Name	Winners	Runner Up
Superbet Rapid & Blitz Poland 2024	Magnus Carlsen (Norway)	Wei Yi (China)
French Moto GP 2024	Jorge Martin(Spain)	Marc Marquez (Spain)
World Para Athletics Championships	Deepthi Jeevanji (India) - Gold- Women's 400m T20	Aysel Onder (Turkey) - Silver
	David Brown (USA)- Men's 100m T11	Jarryd Wallace (Australia)
Asian Women's Artistic Gymnastics 2024	Dipa Karmakar (India)	Kim Son-hyang (North Korea)
T20 World Cup 2024	India (2 nd times)	Ireland
Norway Chess Tournament 2024 Men's	Magnus Carlsen(Norway)	Fabiano Caruana(USA)
Norway Chess Tournament 2024 Women's	Ju Wenjun(China)	Anna Muzychuk(Ukraine)
Heilbronn Neckarcup 2024 ATP Challenger	Sumit Nagpal	Alexander Ritschard
CDI-3 (International Dressage Competition)	Shruti Vora (India)	Tatiana Antonenco (Moldova)
FIDE World Junior Chess Championship (Men's)	Kazybek Nogerbek (Kazakhstan)	M Emin Ohanyan (Armenia)
BWF Australian Open 2024	Lee Zii Jia (Malaysia)	Naraoka Kodai (Japan)
Paavo Nurmi Games 2024	Neeraj Chopra (India)	Toni Keranen (Finland)
World Rapid Chess Championships-2023	Anastasia Bodnaruk (Gold)	Koneru Humpy (silver)
Scottish Junior Open squash U-19 (Girls)	Anahat Singh	Robyn McAlpine
The United Cup Tennis Tournament 2024	Germany	Poland
Spanish Super Cup Football Tournament 2024	Real Madrid	Barcelona
Tata Steel Chess Tournament 2024	Rameshbabu Praggnanandhaa	Ding Liren
Khelo India Winter Games 2024	Indian Army (IST) [G-10, S-5, B-6]	Karnataka (2 nd)[G-9, S-2]
SAFF Women's U-19 Championships	India & Bangladesh (Joint)	-
U19 World Cup 2024	Australia	India
AFC Asian Cup 2024	Qatar	Jordan
Pro Kabaddi League Season 10	Puneri Paltan	Haryana Steelers
UEFA Women's Nations League 2024	Spain	France
Santosh Trophy 2023-24	Services	Goa
Ranji Trophy 2024	Mumbai	Vidarbha

Sports Name	Winners	Runner Up
Boxing Sub Junior National Championship	Haryana	Delhi
IPL 2024 Champion	KKR	SRH
56th National Kho Kho Championship 23-24 (Men's)	Maharashtra	Indian Railways
56th National Kho Kho Championship 2023-24 (Women's)	Maharashtra	Airport Authority of India
The FIDE World Chess 2024	Dommaraju Gukesh (India)	Ding Liren(China)
IWF World Cup 2024	Kang Hyon Gyong (North Korea)	Mihaela Cambei (Romania)
ICC 2024	Kamindu Mendis (Sri Lanka)	Maia Bouchier (England)
National Women's Carrom Championship 2024	Rashmi Kumari (12th Title)	K Nagajothi
National Men's Carrom Championship 2024	K Srinivas	S Aditya
Monte Carlo Masters 2024	Stefanos Tsitsipas (Greece)	Casper Ruud (Norway)
AFC U-23 Asian Cup 2024	Japan (Gold)	Uzbekistan (Silver)
Thomas Cup 2024	China (Men's)	Indonesia
Uber Cup 2024	China (Women's)	Japan

ISSF World Cup-2024

Date: October 13-18, 2024 Venue: New Delhi

Host Country: India

Medal Table

Rank	Nation	Gold	Silver	Bronze	Total
1	China	16	11	12	39
2	Italy	6	9	4	19
3	Germany	6	5	8	19
7	India	3	5	5	13

Archery World Cup 2024

Date: October 19-20, 2024 Venue: Tlaxcala

Host Country: Mexico

Medals Table

Rank	Nation	Gold	Silver	Bronze	Total
1	South Korea	9	8	3	20
2	India	7	5	3	15
3	United States	4	1	4	9
4	China	4	0	2	6
5	Italy	2	1	1	4

Asian Wrestling Championships 2024

Date: April 11-16, 2024, Venue: Bishkek Arena

Host Country: Kyrgyzstan

Medal Table

Rank	Nation	Gold	Silver	Bronze	Total
1	Japan	9	5	4	18
2	Iran	9	3	5	17
3	Kyrgyzstan	4	3	7	14
4	China	3	2	9	14
5	Kazakhstan	2	4	6	12
9	India	0	4	5	9

Asian U20 Athletics Championships 2024

Date - April 24-27, 2024

Venue - Dubai Police Club Stadium

Host Country: United Arab Emirates (UAE)

Medal Table

Rank	Nation	Gold	Silver	Bronze	Total
1	China	15	8	4	27
2	Japan	8	6	7	21
3	India	7	11	11	29
4	Uzbekistan	4	1	2	7
5	Qatar	4	1	0	5

Asian Shotgun Championships 2024

Date: January 14-21, 2024

Venue: Sheikh Sabah Al-Ahmad Olympic Shooting Complex, Kuwait City

Host Country: Kuwait

Medal Table

Rank	Nation	Gold	Silver	Bronze	Total
1	China	5	3	1	9
2	Chinese Taipei	2	0	0	2
3	India	1	3	4	8
4	Kazakhstan	1	1	3	5
5	Iran	1	1	0	2

Badminton Asia Championships 2024

Date - April 9-14, 2024

Venue- Ningbo Olympic Sports Center Gymnasium

Host Country - China

Medal Table

Rank	Nation	Gold	Silver	Bronze	Total
1	China	3	3	7	13
2	South Korea	1	1	0	2
3	Indonesia	1	0	0	1
4	Malaysia	0	1	1	2
5	Chinese Taipei	0	0	1	1
6	Japan	0	0	1	1

Taiwan Athletics Open 2024

Date: May 24-26, 2024

Venue: Taipei Municipal Stadium

Host Country: Taiwan

Medal Table

Rank	Nation	Gold	Silver	Bronze	Total
1	Vietnam	3	0	0	3
2	India	3	3	1	7
3	Chinese Taipei	2	1	2	5
4	Japan	1	2	1	4
5	South Korea	1	1	1	3

F1 Car Racing Grand Prix-2024

Grand Prix Event Name	Winner	Car
Bahrain	Max Verstappen (Netherlands)	Red Bull
Saudi Arabia	Max Verstappen (Netherlands)	Red Bull
Australia	Carlos Sainz (Spain)	Ferrari
Japan	Max Verstappen (Netherlands)	Red Bull
China	Max Verstappen (Netherlands)	Red Bull
Miami	Lando Norris (UK)	Mercedes
Emilia-Romagna	Max Verstappen (Netherlands)	Red Bull
Monaco	Charles Leclerc (Monaco)	Ferrari
Canada	Max Verstappen (Netherlands)	Red Bull
Spain	Max Verstappen (Netherlands)	Red Bull
Austria	George Russell (UK)	Mercedes
Great Britain	Lewis Hamilton (UK)	Mercedes
Hungary	Oscar Piastri (Australia)	Mercedes
Belgium	Lewis Hamilton (UK)	Mercedes
Netherlands	Lando Norris (UK)	Mercedes
Italy	Charles Leclerc(Monaco)	Ferrari
Azerbaijan	Oscar Piastri (Australia)	Mercedes
Singapore	Lando Norris (UK)	Mercedes
United States	Charles Leclerc (Monaco)	Ferrari
Mexico	Carlos Sainz (Spain)	Ferrari
Brazil	Max Verstappen (Netherlands)	Red Bull
Las Vegas	George Russell (UK)	Mercedes
Qatar	Max Verstappen (Netherlands)	Red Bull
Abu Dhabi	Lando Norris (UK)	Mercedes

India lifted the T20 World Cup Trophy 2024

After 17 year long waiting Indian men's National Cricket team under Rohit Sharma's captaincy lifted the T20 World Cup 2024 trophy by defeating South Africa by a margin of 7 runs in the finals held in the



Kensington Oval in Bridgetown, Barbados. This victory marks India's second T20 World Cup title. The first title for India came in 2007 under MS Dhoni's captaincy, which edition was also the inaugural T20 World Cup edition.

- ❑ With this win India became the third country to win the title twice after England and West Indies.
India : 2007, 2024
West Indies : 2012, 2016
England : 2010, 2022
Pakistan : 2009
Sri Lanka : 2014
Australia : 2021

T20 World Cup 2024 at a Glance:

Player of the match: Virat Kohli (India)

Player of the tournament: Jasprit Bumrah (India)

Highest Runs of the tournament: Rahmanullah Gurbaz (Afghanistan) with 281 in eight innings
Second Highest Runs: Rohit Sharma (India) with 257 runs

Highest wicket-taker of the tournament: Arshdeep Singh (India) and Fazalhaq Farooqi (Afghanistan) with 17 wickets

- ❑ India has set a new record for making highest runs (176/7) by any team in the final of a men's T20 World Cup breaking Australia record of 176/7 against New Zealand in 2021.
- ❑ **T20 World Cup related information from 2007 to till date:**

Year	Host Country	Winner	Runner up
2007	South Africa	India	Pakistan
2009	England	Pakistan	Sri Lanka
2010	West Indies	England	Australia
2012	Sri Lanka	West Indies	Sri Lanka
2014	Bangladesh	Sri Lanka	India
2016	India	West Indies	England
2021	UAE/Oman	Australia	New Zealand
2022	Australia	England	Pakistan
2024	USA & West Indies	India	South Africa

George Russell wins Austrian Grand Prix 2024

Mercedes' British racing driver George Russell claimed an unexpected victory in the Formula 1 Austrian Grand Prix 2024 at the Red Bull Ring in Spielberg, Austria. This win marks Mercedes' first victory since November 2022 São Paulo Grand Prix, Brazil. This is Russell's second career win and first career podium finish at the Red Bull Ring.

Position	Driver	Country	Team
1	George Russell	UK	Mercedes
2	Oscar Piastri	Australia	McLaren
3	Carlos Sainz	Spain	Ferrari

Viswanathan Anand Wins 10th Leon Masters Chess Championship

Indian chess legend Viswanathan Anand achieved a remarkable feat by winning the Leon Masters chess championship for the 10th time, defeating Grand Master Jaime Santos Latasa of Spain in the final with a score of 3-1 in Leon, Spain.

- ❑ Anand got the title previously in 1996, 1999, 2000, 2001, 2005, 2006, 2007, 2011 and 2016.
- ❑ He became India's first chess Grand Master in 1988. He is a 5-time World-Champion in 2000, 2007, 2008, 2010 and 2012.
- ❑ He is the first recipient India's highest sports award, Rajiv Gandhi Khel Ratna (Renamed as Major Dhyan Chand Khel Ratna Award) Award, in 1991-1992.
- ❑ He is the first sports person to receive the Padma Vibhushan in 2007.

Second Edition of Global Chess League to be held in London in October

The most awaited second edition of Tech Mahindra Global Chess League will take place in London, England from 3 to 12 October, 2024. It will take place at Friends House in central London. The Global Chess League is a joint initiative between the International Chess Federation (FIDE) and Tech Mahindra. The successful first season of the league held in Dubai.

Neeraj Chopra to lead Indian athletics team in Paris Olympics

Javelin thrower Neeraj Chopra, the defending champion, will lead a 28-member contingent of athletes at the Paris Olympics commencing on 26 July. The 26-year-old, Neeraj Chopra made history three years ago by becoming the first Indian track and field athlete to win a medal at the Olympics. At the 2024 Olympics, the Indian javelin throw ace will have Olympic debutant Kishore Jena for company in his pet event.

Indian Squash Players go victorious at Asian Squash Doubles Championship 2024

Indian squash players secured two titles at the Asian Squash Doubles Championship 2024 held at the Arena Emas in Johor, Malaysia. The Indian team clinched victories in both the men’s doubles and mixed doubles categories.

India’s Triumph in Mixed Doubles:

- ❑ **Champions:** Abhay Singh and Joshna Chinappa
- ❑ Defeated Hong Kong’s Tong Tsz Wing and Ming Hong Tang
- ❑ **Final score:** 2-1 (11-8, 10-11, 11-5)

India’s Triumph in Men’s Doubles:

- ❑ **Champions:** Abhay Singh and Velavan Senthilkumar
- ❑ Defeated Malaysia’s Ong Sai Hung and Syafiq Kamal
- ❑ **Won in straight sets:** 2-0 (11-4, 11-5)

Lewis Hamilton wins the British Grand Prix 2024

British Formula One (F1) Mercedes driver Lewis Hamilton won the F1 British Grand prix 2024, held at Silverstone Circuit in England. He has become the first F1 driver to win on any track nine times. This was the 104th Grand Prix win of Hamilton’s career.

Rank	Driver	Country	Team
1	Lewis Hamilton	UK	Mercedes
2	Max Verstappen	Belgium	Red Bull
3	Lando Norris	UK	McLaren

India finishes on top at U23 Asian Wrestling Championship

India topped the medal tally at the Under 23 Asian Wrestling Championship 2024 held in Amman, Jordan. India has done an impressive performance in women’s wrestling, Greco-Roman and freestyle categories.

India clinched a total of eight medals in freestyle wrestling, including four gold, two silver, and two bronze medals.

❑ Freestyle Category:

Name	Category	Medal
Abhimanyu	70 kg	Gold
Jointy Kumar	92 kg	Gold
Sahil Jaglan	97 kg	Gold
Anirudh Kumar	125 kg	Gold
Rohit	65 kg	Silver
Jaideep	74 kg	Silver
Shubham	57 kg	Bronze
Amit	79 kg	Bronze

❑ Women Wrestling Category:

Name	Category	Medal
Meenakshi	50 kg	Gold
Pushpa Yadav	59 kg	Gold
Priya Malik	76 kg	Gold

Four different venues to host 133rd Durand Cup

Asia’s oldest and India’s most prestigious club-based football tournament, Durand Cup, will kick off on 27 July, 2024 and conclude with the final on 31 August, 2024. In 2024, the 133rd edition of the tournament will be hosted by Kolkata, Kokrajhar (Assam), Jamshedpur (Jharkhand), and Shillong (Meghalaya). For the first time, Jamshedpur will host the Durand Cup matches. The tournament’s finale will be held at the iconic Vivekananda Yuba Bharati Krirangan (Salt Lake Stadium) in Kolkata.

Defending Champion: Mohun Bagan Super Giant

1st Runner Up: East Bengal

PV Sindhu, Sharath Kamal will be India’s flag bearers for Paris Olympics

Ace shuttler PV Sindhu and veteran table tennis player Achanta Sharath Kamal have been chosen as the flag bearers for the Paris 2024 Olympics.

PV Sindhu’s Olympic achievements:

- ❑ Silver medal at 2016 Rio Olympics
- ❑ Bronze medal at 2020 Tokyo Olympics
- ❑ First Indian woman to win two individual Olympic medals

Achanta Sharath Kamal’s Olympic achievements:

Participated in four Olympic Games (2004, 2008, 2016, 2020)

Jasprit Bumrah and Smriti Mandhana clinched ICC Player of the Month for June

India’s extraordinary pace bowler Jasprit Bumrah and opening batswoman Smriti Mandhana have been named as the ICC Male and Female Player of the Month for June, respectively.



Bumrah’s exceptional performance in the T20 World Cup with 15 wickets, earned him the prestigious Player-of-the-Tournament award.

Smriti Mandhana was rewarded for her performance against South Africa in ODI and Test series and India’s clean sweep over the team in the recent ODI series earned her the title. In the three-match ODI series, India beat South Africa 3-0, with Mandhana scoring two centuries and an inning of 90.

Fencer Shreya Gupta clinched Bronze Medal in Commonwealth Junior and Cadet Championship 2024

Indian ace fencer, Shreya Gupta, won her first-ever individual medal at the international level by clinching the Sabre category bronze medal in the Commonwealth Junior and Cadet Championship 2024 in Christchurch, New Zealand.

Previously she secured a junior bronze medal in the team event at the 2022 Asian Junior and Cadet Fencing Championship in Tashkent, Uzbekistan.

Spain clinches Euro 2024 Title

Spain secured a historic fourth European Championship in a thrilling finale of Euro 2024 with a nail-biting 2-1 victory over England at the Olympiastadion in Berlin. This win cements Spain's status as the most successful nation in the tournament's history and marks their third title in the last five editions. Previously Spain won the title in 1964, 2008 and 2012.

CSK sets up Super Kings Academy in Sydney

One of the most successful franchises of IPL, Chennai Super Kings (CSK) has announced a significant expansion of its global presence with the establishment of its third international Super Kings Academy in Sydney, Australia. The new Super Kings Academy will be situated at Cricket Central, 161, Silverwater Road, Sydney Olympic Park. This enhances CSK's international profile as well as reinforces the franchise's long-standing connection with Australian cricket.

PUMA to be partner for Indian contingent at Paris Olympics 2024

Sports brand PUMA India has announced its partnership with the Indian Olympic Association (IOA) as the official footwear partner for the Indian contingent at the 2024 Summer Olympics in Paris. PUMA has launched a grand outdoor campaign titled "See the Game Like We Do" to honor and celebrate the achievements of Indian athletes.

As part of this collaboration, over 100 Indian athletes will receive an array of products designed to enhance their training and comfort. These include podium and travel footwear, trolleys, backpacks, sippers, yoga mats, headbands, wristbands, socks, and towels.

45 out of over 100 Indian athletes across various sporting disciplines comprise the PUMA contingent. This makes it the largest squad representing a brand in India for the 2024 Olympics.

India Champions secures the World Championship of Legends 2024 title

India Champions clinched a memorable victory against their arch-rivals Pakistan Champions by five wickets in the finale of the World Championship of Legends 2024, held at Edgbaston. Led by Yuvraj Singh, India successfully chased a target of 157 runs in 19.1 overs.

Argentina clinches 16th Copa America Title

Argentina secured its second straight Copa America championship by defeating Colombia 1-0 in a match extended into extra time. Lionel Messi was forced off in the second half due to injury but Lautaro Martinez's late strike fires Argentina to record 16th Copa America title.

List of most successful teams in Copa America:

Team	Number of titles	Years
Argentina	16	1921, 1925, 1927, 1929, 1937, 1941, 1945, 1946, 1947, 1955, 1957, 1959, 1991, 1993, 2021, 2024
Uruguay	15	1916, 1917, 1920, 1923, 1924, 1926, 1935, 1942, 1956, 1959, 1967, 1983, 1987, 1995, 2011
Brazil	9	1919, 1922, 1949, 1989, 1997, 1999, 2004, 2007, 2019
Paraguay	2	1953, 1979
Chile	2	2015, 2016

Gagan Narang appointed as India's Chef-De-Mission for Paris Olympics 2024

Four-time Olympian and 2012 Olympic Games men's 10m Air Rifle bronze medalist, Gagan Narang has been appointed as India's Chef-De-Mission for the 2024 Paris Olympics. He has been chosen to replace MC Mary Kom as the Chef-de-Mission of the Indian contingent to compete in the Paris 2024 Olympic Games.

Adani Group will be the Principal Sponsor for Indian Team at 2024 Paris Olympics

Gautam Adani, Chairman of the Adani Group, has announced that the conglomerate will be the principal sponsor for the Indian contingent at the 2024 Paris Olympics. The Adani Group has a history of supporting Indian sports, sponsoring over 28 athletes across various disciplines since 2016. The Adani Group's Deshka Geet At Olympics campaign aims to celebrate Indian athletes' dedication and foster patriotic spirit, emphasizing the significance of representing India on the global sports stage.

Leander Paes and Vijay Amritraj into International Tennis Hall of Fame

Legendary Indian tennis players Vijay Amritraj and Leander Paes, became the first two exponents of the sport from Asia to be inducted into the prestigious International Hall of Fame. Paes was inducted under the player category, Amritraj made it into the coveted club under the contributor category. This historic induction celebrates their individual achievements as well as marks a significant milestone for tennis in the Asian continent.

Kush Maini's Maiden F2 Victory

India's Kush Maini achieved his first-ever Formula 2 Sprint Race win at the Hungarian Grand Prix after Richard Verschoor, the original sprint race winner, was disqualified due to a technical infringement. This victory marks Maini's fifth podium of the season, placing him eighth in the championship standings and added 10 points to his season tally.

BCCI to provide Rs 8.5 Crore to IOA

The Secretary of Board of Control for Cricket in India (BCCI), Jay Shah announced financial assistance, contributing Rs 8.5 crore to the Indian Olympic Association (IOA), as a support for the Indian contingent. A 117-member Indian contingent will leave for Paris to participate in the Olympics 2024.

IOC announced Olympic Esports Games

The International Olympic Committee (IOC) announced that it has partnered with the National Olympic Committee (NOC) of Saudi Arabia to host the inaugural Olympic Esports Games 2025 in the Kingdom of Saudi Arabia. The 142nd IOC Session in Paris endorsed the proposal by the IOC Executive Board (EB) unanimously. For the organisation of the Games, the IOC has partnered with the National Olympic Committee (NOC) of Saudi Arabia for 12 years.

Oscar Piastrì won his first Formula One title

The Australian Formula 1 (F1) racer Oscar Piastrì secured his first-ever F1 title victory at the Hungarian Grand Prix while his teammate Lando Norris came second.

Deepa Malik is the Sub-regional Representative for South Asia

India's first woman Paralympic medallist Deepa Malik has been named sub-regional representative for South Asia by the Asian Paralympic Committee (APC) at its 34th Executive Board meeting. This appointment signifies a significant step forward for gender diversity and athlete-centric leadership in para-sports. With her appointment, the number of female representatives on the APC Executive Board has risen to 5.

BPCL partners with Indian Olympic Association

Bharat Petroleum Corporation Limited (BPCL) has been announced as the official Principal Partner of the Indian Olympic Association (IOA) for four years, spanning from the Paris Olympics in 2024 to the Los Angeles Olympics in 2028. As part of this collaboration, BPCL will launch series of campaigns designed to support and uplift the Indian contingent heading to Paris.

Sri Lanka clinched maiden Women's Asia Cup title :

Sri Lanka secured their first-ever Women's Asia Cup title, defeating the seven-time champions India. Major contributions of Smriti Mandhana (60 from 47), Jemimah Rodrigues (29 from) and Richa Ghosh (30 from 14) made India scored a competitive total of 165/6 in their 20 overs.

Player of the Match: Samarawickrama (69* from 51)

Player of the Tournament: Chamari Athapaththu (304 runs and three wickets)

Women's Asia Cup Winners List:

Year	Format	Winner
2004	ODI	India
2005-06	ODI	India
2006	ODI	India
2008	ODI	India
2012	T20I	India
2016	T20I	India
2018	T20I	Bangladesh
2022	T20I	India
2024	T20I	Sri Lanka

France got conditional approval to host the 2030 Winter Olympics :

The International Olympic Committee has chosen the French Alps to host the 2030 Olympic and Paralympic Winter Games, though the decision is subject to certain conditions. While presenting the bid to IOC members in Paris, French President Emmanuel Macron assured the committee that the government formed after the 2024 Summer Games in Paris. IOC members accepted his guarantees and voted their approval.

Lewis Hamilton won Belgian Grand Prix as George Russell disqualified :

Lewis Hamilton clinched victory at the 2024 Formula 1 Rolex Belgian Grand Prix after George Russell was disqualified due to a technical infringement. George Russell has been disqualified from the result of the Belgian Grand Prix after his Mercedes was found 1.5

kilograms underweight. This is Hamilton's second victory of the season.

Position	Driver	Country	Team
1	Lewis Hamilton	UK	Mercedes
2	Oscar Piastri	Australia	McLaren
3	Charles Leclerc	MC Monaco	Ferrari

India will host 2025 Men's Asia Cup in T20 Format :

India will host the next edition of the men's Asia Cup cricket tournament in T20 format in 2025. The tournament will be played in a 50-over format in Bangladesh in 2027.

16-year-old Jia Rai crossed the English Channel :

Mumbai's 16-year-old girl Jiya Rai with Autism Spectrum Disorder, has become the world's youngest and fastest para swimmer to cross the English Channel. Jiya completed her 34-kilometer swim from Abbot's Cliff in England to Pointe de la Courte-Dune in France in 17 hours and 25 minutes on 28-29 July, 2024.

BFI set up the National Basketball Academy In Collaboration With CAA :

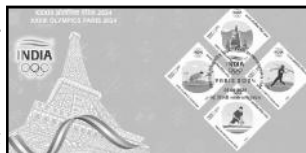
The Basketball Federation of India (BFI) has set up the National basketball academy in collaboration with Corvuss American Academy to establish India's first basketball academy at Karjat, near Mumbai. For a start, the Academy will run with 30 boys and 30 girls from the school.

Noah Lyles won first U.S. men's Olympic 100-meter gold in 20 years:

American sprinter Noah Lyles won the gold medal in the men's 100-meter sprint at the 2024 Paris Olympics with a time of 9.784 seconds. The race was one of the closest in Olympic history, with Lyles finishing just 0.005 seconds ahead of Jamaica's Kishane Thompson. He became the first American in 20 years to win gold in the event.

India released Commemorative Postage Stamps for Paris Olympics 2024 :

The Department of Post under the Union Ministry of Communication released four commemorative postage stamps on 5 August to celebrate the 33rd Paris Olympics 2024. The event was held at Rang Bhawan, All India Radio, New Delhi and the stamps were



released by Union Minister of Youth Affairs and Sports Dr. Mansukh Mandaviya and Union Minister of Communications and Development Jyotiraditya Scindia. The four stamps released by the ministers depict Olympic sports - Javelin Throw, Field Hockey, Sailing and Table Tennis.

IOC elected Salt Lake City-Utah 2034 as Olympic and Paralympic Winter Games Host :

During the 142nd IOC Session in Paris the IOC Members has decided that Salt Lake City in Utah state of the USA will host the Winter Olympics and Paralympics Games in 2034. Salt Lake City hosted the Winter Olympics for the first time in 2002.

Lausanne Diamond League 2024 :

Paris Olympics silver medallist Neeraj Chopra finished second in the men's javelin throw event at the Lausanne Diamond League 2024 competition in Switzerland with his season's best throw of 89.49 metres.

Position	Athlete	Country	Throw Distance
1	Anderson Peters	Grenada	90.61m
2	Neeraj Chopra	India	89.49m
3	Julian Weber	Germany	87.08m

About Diamond League:

- ◆ The Diamond League is an annual series of track and field athletic competitions organised by World Athletics (Formerly known as the International Association of Athletics Federations).
- ◆ The inaugural season was in 2010.
- ◆ It was designed to replace the IAAF Golden League, which had been held annually since 1998.
- ◆ The 2024 Diamond League was the 15th season of the annual series. It was organised from 21-22 August, 2024 at Pontaise Olympic Stadium in Lausanne, Switzerland.

Diamond League Standings:

- ◆ Anderson Peters from Grenada is currently ranked No.1 in the tournament with 21 points.
- ◆ Neeraj Chopra from India and Julian Weber from Germany is sharing the 3rd spot with 15 points.

Cincinnati Open 2024 :

Top-seeded Jannik Sinner (Italy) and the second-ranked women's player Aryna Sabalenka (Belarus) both secured their first Cincinnati Open titles with victories in straight sets.

Category	Winner (Country)	Runner up (Country)	Results
Men's singles	Jannik Sinner (Italy)	Frances Tiafoe (USA)	7-6, 6-2
Women's singles	Aryna Sabalenka (US)	Jessica Pegula (US)	6-3, 7-5
Men's doubles	Marcelo Arévalo (Central America) Mate Paviæ (Croatia)	Mackenzie McDonald (US) Alex Michelsen (US)	6-2, 6-4
Women's doubles	Asia Muhammad (US) Erin Routliffe (New Zealand)	Leylah Fernandez (Canada) Yulia Putintseva (Kazakhstan)	3-6, 6-1, [10-4]

About Cincinnati Open :

- ◆ The Cincinnati Open (also known as the Cincinnati Masters) is an annual professional tennis event held in Cincinnati, United States.
- ◆ It is annually held in August.
- ◆ The event was started in 1899.
- ◆ It is the third largest tennis event in the United States, after the US Open and the Indian Wells Masters.
- ◆ The 2024 event was held from 12-19 August, 2024.

Dutch Grand Prix 2024 :

British racing driver, Lando Norris won the title at the Formula 1 Dutch Grand Prix 2024. The victory was Lando's second victory in F1 and made him the first Dutch Grand Prix winner, other than Verstappen.

Rank	Winner	Country	Team
1	Lando Norris	UK	Mercedes
2	Max Verstappen	Belgium	Red Bull
3	Charles Leclerc	Monaco	Ferrari

About Dutch Grand Prix :

- ◆ The Dutch Grand Prix is an annual Formula One World Championship auto racing event.
- ◆ The event was first held in 1950.
- ◆ The Dutch Grand Prix 2024 was the 15th round of the 2024 Fédération Internationale de l'Automobile (FIA) F1 world championship.
- ◆ The 2024 season was held from 30 August-1 September, 2024

Asian U-15 & U-17 Badminton Championships 2024 :

13-year-old Tanvi Patri from Odisha became the third Indian shuttler to be crowned the Asian U-15 champion after she claimed the title at the Badminton Asia U-17 & U-15 Championships 2024 in Chengdu, the People's Republic of China. She defeated Nguyen Thi Thu Huyen of Vietnam with a scoreline of 22-20, 21-11.

The previous Asian U-15 women's singles title winners are: Samiaya Imad Farooqui (2017) and Tasnim Mir (2019).

India has secured two medals overall in the championship.

Gnana Dattu won Bronze in U-17 Category:

Gnana Dattu claimed the bronze medal in the men's singles event of the Badminton Asia U-17 Championships. He was defeated by Indonesia's Radithya Bayu Wardhana with a scoreline of 9-21, 21-13, 21-13 in favour of the Indonesian.

Tournament	Category	Winner Country
U-15	Women's Singles	India
	Men's Singles	China
	Women's Doubles	South Korea
	Men's Doubles	Chinese Taipei
	Mixed Doubles	South Korea
U-17	Women's Singles	China
	Men's Singles	Indonesia
	Women's Doubles	China
	Men's Doubles	Indonesia
	Mixed Doubles	Chinese Taipei

Italian Grand Prix 2024 :

Monacan racing driver, Charles Lecrec won the F1 Italian Grand Prix 2024. This victory marks Lecrec's 2nd Italian GP title. He previously won the title in 2019. This also marks Lecrec's 3rd consecutive podium finish in the 2024 season.

Rank	Winner	Country	Team
1	Charles Leclerc	Monaco	Ferrari
2	Oscar Piastri	Australia	McLaren
3	Lando Norris	UK	Mercedes

About Italian Grand Prix :

- ◆ The Italian Grand Prix is the fifth oldest national motor racing Grand Prix event.
- ◆ It is being held since 1921.

Asian Surfing Championships 2024 :

Indian team won a silver medal with a score of 24.13 at the Maruhaba Cup at the Asian Surfing Championships 2024 at Thulusdhoo, Maldives. The Indian team was comprised of Kamali P, Ajeesh Ali, Srikanth D and Sanjay Selvamani. Japan won the Gold medal with a score of 58.40 and Taipei won the Bronze medal with a score of 23.93 in the championship.

National Chess Championship 2024:

Grandmaster Karthik Venkataraman from Andhra Pradesh won the 61st edition of the Indian National Championship after scoring 9/11 points at the event organised by the Haryana Chess Association. This is the second victory in a national championship for Karthik. Previously he had also won the tournament in 2022. He defeated Surya Sekhar Ganguly and Nilash Saha by a narrow margin and got a better score (78) in tie-breaker. They finished in second and third place respectively.

SAFF U-20 Championship 2024 :

Bangladesh has been crowned the new champion of the SAFF (South Asian Football Federation) U-20 Championship football tournament 2024. They defeated host Nepal by 4-1 in the final. This is the first time that Bangladesh has won this Championship.

About SAFF U-20 Championship :

- ◆ The SAFF U-20 Championship is a biennial football championship for male footballers under the age of 20.
- ◆ It is organized by the South Asian Football Federation (SAFF).
- ◆ The championship was held for the first time in August 2015 in Nepal.
- ◆ India had won SAFF U-20 championship in 2019, 2022 and 2023.

Lord's will be the Host of ICC World Test Championship Final in 2025 :

The iconic Lord's Cricket Ground in London will be hosting the ICC World Test Championship final from 11- 15 June, 2025. It will be the first time that Lord's will host the World Test Championship final. Previously, the WTC finals were held at Southampton's Ageas Bowl in 2021 and The Oval in 2023.

About ICC World Test Championship :

- ◆ The ICC World Test Championship is also referred to as the Test World Cup.
- ◆ It is a league competition run by the International Cricket Council (ICC).
- ◆ Its inaugural season was held in 2019.
- ◆ The first edition from 2019-2021 was won by New Zealand and the second edition of 2021-2023 was won by Australia.

Sangram Singh's Historic MMA Debut:

MMA Debut : Sangram Singh made a remarkable MMA debut at the Gama International Fighting Championship in Tbilisi, Georgia.

Fastest Victory (93 kg Division) : Singh won in just 1

minute 30 seconds, setting a record for the fastest win by an Indian in the 93 kg weight class.

Age Gap : Defeated Pakistani fighter Ali Raza Nasir, who is 17 years younger.

National Impact : The India vs. Pakistan match boosted India's standing in international combat sports.

Transition from Wrestling to MMA : Singh's expertise in traditional Indian wrestling was instrumental in his successful transition to MMA.

Training & Coaching : Prepared by Indian coach Bhupesh Kumar and international coach David for MMA techniques and strategies.

45th Chess Olympiad (2024):

Event Dates : 10-23 September 2024

Competitors : 1,884 (975 in Open, 909 in Women's event)

Teams : 197 teams (Open), 183 teams (Women)

Nations : 195 (Open), 181 (Women)

Venue : SYMA Sports and Conference Centre (matches)
Dr. Jenő Koltai Sports Center (opening ceremony)

Location : Budapest, Hungary

Opened by : Arkady Dvorkovich

Cauldron Lit by : Judit Polgár

Podium Results

Category (Open)

1st Place (Gold) : India

2nd Place (Silver) : United States

3rd Place (Bronze) : Uzbekistan

Category (Women)

1st Place (Gold) : India

2nd Place (Silver) : Kazakhstan

3rd Place (Bronze) : United States

Additional Awards

Award	Winner
Gaprindashvili Cup	: India

Lando Norris Triumphs in the 2024

Singapore Grand Prix

Event Date : September 22, 2024

Location : Marina Bay Street Circuit, Singapore

Winner : Lando Norris (McLaren) - Secured third career Formula 1 victory

Race Start : Norris started from pole position

Challenges Faced : Early lock-up, slight contact with barriers ; Rear tire graze with another barrier

Historic Achievement : First Singapore Grand Prix without a safety car deployment

2nd Place (Podium) : Max Verstappen (Red Bull Racing)

Verstappen's Comments : "To be P2 is a good achievement." Championship lead reduced to 52 points
3rd Place (Podium) : Oscar Piastri - Climbed from 5th, overtaking Mercedes drivers

Championship Impact : Verstappen maintains lead; Norris's victory injects excitement into the title race

Notable Strategy Play : Daniel Ricciardo set the fastest lap (finishing 18th), denying Norris an extra point

Mixed Fortunes : Mercedes: George Russell (4th), Lewis Hamilton (6th) ; Ferrari: Charles Leclerc (5th), Carlos Sainz Jr. (7th)

Next Race : United States Grand Prix

India-A Wins 2024 Duleep Trophy:

Event : 2024 Duleep Trophy Final

Teams : India-A vs. India-C

Result : India-A won by 132 runs

Declaration : India-A declared at 286/8, set 350 target

Key Batting : Gaikwad (44), Sudharsan (77-run stand)

Crucial Moment : Vijaykumar run out by Shaik Rasheed

Spinners' Impact : Kotian, Mulani applied pressure on India-C

Jeevan-Vijay Win 2024 Hangzhou Open:

Event : 2024 Hangzhou Open

Winners : Jeevan Nedunchezhiyan & Vijay Sundar Prashanth

Final Opponents : Constantin Frantzen & Hendrik Jebens

Final Score : 4-6, 7(7)-6(5), 10-7

Date : September 24, 2024

Match Duration : 1 hour 49 minutes

Match Progress : Frantzen/Jebens won 1st set
 Jeevan/Vijay won 2nd in tiebreaker
 Indian pair rallied in super tiebreaker

Individual Achievements : Jeevan's 2nd ATP title; Vijay's 1st ATP title

World 6-Red Snooker Championship

Event : IBSF World Men's 6-Red Snooker Championship 2024

Location : Mongolia

Gold Medalist : Kamal Chawla (India)

Final Opponent : Iqbal (Pakistan)

Final Score : 6-2 in favour of Chawla

Chawla's Journey : Came back from 0-2 down, winning six consecutive frames

Semifinal Victory : Defeated Richard Wienold (Germany) on a black ball

Bronze Medalists : Malkeet Singh (Men's category)
 Vidya Pillai (Women's category)
 Keerthana Pandian (Women's category)

Malkeet Singh's Semifinal : Lost 0-6 to Iqbal

Vidya Pillai's Semifinal : Lost 2-4 to Ng On Yee (Hong Kong)

Keerthana Pandian's Semifinal : Lost 0-4 to Fong Mei Mei (Hong Kong)

Gulveer Singh Sets New National Record in 5000m

Athlete : Gulveer Singh (India)

Event : Yogibo Athletics Challenge Cup

Location : Niigata, Japan

Achievement : New national record in men's 5000m

Winning Time : 13:11.82

Previous Record : 13:18.92 (Portland Track Festival, 2024)

Runner-up : Mebuki Suzuki (Japan) - 13:13.80 (PB)

Third Place : Kotaro Shinohara (Japan)

Other Records : 10,000m national record: 27:41.81 (March 2024)

Notable Achievements : Bronze in 10,000m at 2022 Asian Games ; Bronze at 2023 Asian Athletics Championship ; Gold in 10,000m at Federation Cup Athletics Championship

Ravindra Jadeja Achieves Milestone in Test Cricket

Achievement : First Indian left-arm spinner to take 300 Test wickets

Series : India vs Bangladesh (2-Test match series)

Milestone : Second fastest to score 3000 Test runs and take 300 wickets

Test Match Count : Achieved in his 74th Test match

Records and Rankings

■ Fastest Indian Bowlers to 300 Wickets:

Ravichandran Ashwin: 54 Tests

Anil Kumble: 66 Tests

Harbhajan Singh: 72 Tests

Ravindra Jadeja: 74 Tests

■ Overall Achievement:

Joins elite company, being the seventh Indian bowler with 300+ Test wickets.

Second fastest overall, after **Sir Ian Botham**.

Career Statistics

■ **Test**: 300 wickets / 3122 runs

■ **ODI**: 220 wickets / 2756 runs

- **T20:** 54 wickets / 515 runs

Additional Stats

- **Bowling Average:** 24.00 (second-best among Indian bowlers with 200+ wickets, behind Ashwin's 23.69).

Ishpreet Singh Chadha: Semi-Final Snooker Breakthrough

- **Milestone:** First Indian in a decade to reach a ranking tournament semi-final.
- **Victory:** Defeated Mark Selby, a four-time World Champion.

Match Summary

- **Lead:** 4-1 with breaks of 73 and 114.
- **Final Frame:** Won with a 41 break after sinking a crucial red.

Highlights

- **Remarks:** Thanked his mother for support.
- **Recent Wins:** Semi-finalist at 2024 English Open; beat Graeme Dott and Selby.
- **National Title:** Won 6-Red Snooker Nationals against Pankaj Advani.

Virat Kohli Achieves Fastest 27,000 Runs Milestone



Achievement : Fastest to 27,000 international runs.

Previous Record : Broke Sachin Tendulkar's record.

Match Details : Achieved against Bangladesh in the 2nd Test in Kanpur.

Innings : Reached in 594 innings, 29 innings faster than Tendulkar.

Runs Breakup : 8,870 in Tests ; 13,906 in ODIs ; 4,188 in T20Is

Previous Fastest Records : Fastest to 25,000 runs (549 innings) and 26,000 runs.

India to Host First-Ever Kho Kho World Cup in 2025

Event : Inaugural Kho Kho World Cup

Organizers : Kho Kho Federation of India (KKFI) & International Kho Kho Federation

Year : Scheduled for 2025

Participants : 24 countries from six continents (16 men's and 16 women's teams)

Format : Week-long series of high-intensity matches

Cultural Significance : Represents evolution from traditional sport to global recognition

Promotion Initiatives : School outreach program targeting 200 elite schools ; Membership drive for 50 lakh players

Olympic Aspirations : Aims for Olympic recognition by 2032

India Wins SAFF Men's U-17 Championship 2024

Winner : India U-17

Final Opponent : Bangladesh

Final Score : India 2 - 0 Bangladesh

Goals Scored : Mohammed Kaif (55'), Mohammed Arbash (95')

Awards : Player of the Tournament: Mohammed Arbash ; Goalkeeper: Aheibam Suraj Singh ; Top Scorer: Sujan Dangol (Nepal, 4 goals).

SAFF Formation : Founded in 1997

India's Titles : U-15: 2017, 2019; U-16: 2013, 2023;

U-17: 2022, 2024

Carlos Alcaraz Defeats World No. 1 Jannik Sinner at China Open 2024

Winner : Carlos Alcaraz

Opponent : Jannik Sinner

Final Score : 6-7, 6-4, 7-6

Match Highlights : Sinner: 1st set tiebreaker win (7-6); Alcaraz: 2nd set win (6-4) ; Alcaraz won deciding tiebreaker.

Achievements : 4th title in 2024 (previous: Indian Wells, French Open, Wimbledon).

Top-5 Record : 8 of 9 wins vs. top-5 players in 2024.

Quotes- Alcaraz: Praised Sinner. - **Sinner:** Wished Alcaraz success.

Tournament Info : Location: China National Tennis Center ; Beijing. - Men: ATP 500 ; Women: WTA 1000.

New Zealand Wins ICC Women's T20 World Cup

New Zealand's Women's Cricket Team clinched the ICC T20 World Cup title after 23 years, defeating South Africa by 32 runs at Dubai International Cricket Stadium. Batting first, New Zealand set a target of 158/5 in 20 overs after South Africa chose to bowl. This historic victory marks a significant milestone for New Zealand in women's cricket.

Player of the Match : Amelia Kerr

Player of the Series : Amelia Kerr

Liu Yukun, Yang Ji-in Named ISSF Athletes of the Year

China's Liu Yukun, the Olympic gold medalist in the 50-metre rifle 3-position at the Paris 2024 Olympics,

and South Korea's Yang Ji-in, the 25-metre sports pistol Olympic champion, were honored as the ISSF Athletes of the Year. Presented by ISSF President Luciano Rossi, the awards recognized their exceptional achievements. The event was held during the ISSF World Cup Final from October 15-17, 2024, at India's Dr. Karni Singh Shooting Range. Featuring elite shooters from 37 countries, it celebrated excellence in shooting sports.

Bala Devi: First Indian Woman to Score 50 International Goals

Ngangom Bala Devi has made history as the first Indian woman to net 50 international goals, achieving this milestone during the 2024 SAFF Women's Championship against Pakistan. A forward for Manipur Police and the Indian national team, Bala Devi's illustrious career includes playing for clubs like Rangers in Scotland, where she became the first Indian woman to score in a European league. Beyond football, she serves as a police inspector in Manipur, embodying dedication to both sport and community. Her journey inspires future generations of Indian athletes.



Railways Clinch Women's Hockey Title with 3-1 Win Over Indian Oil

The Railway Sports Promotion Board (RSPB) triumphed in the Senior Women Inter-Departmental National Hockey Championship, defeating Indian Oil 3-1 in the final at Major Dhyan Chand National Stadium. Indian Oil's Deepika scored early, but Vandana Katariya quickly equalized. In the decisive fourth quarter, Railways captain Navneet Kaur netted the lead, with Salima Tete sealing the win and earning Player of the Match honors.

In the bronze medal match, the Central Board of Direct Taxes (CBDT) edged past the Sports Authority of India (SAI) 3-2 in a penalty shootout after a goalless draw.

Goa Hosts 24th National Para-Swimming Championship

The 24th National Para-Swimming Championship kicked off on October 20, 2024, in Goa, celebrating the extraordinary talent and resilience of para-athletes from across India. Participants from various states competed in a range of events, showcasing their skills and determination.

Men's Events (100m Freestyle):

- **S4:** Gold - Lakhan Singh (Rajasthan)
- **S5:** Gold - Narhari (Odisha)
- **S6:** Gold - Chaitanya Vishwas (Maharashtra)

- **S7:** Gold - Tejas (Karnataka)
- **S8:** Gold - Shridhar (Karnataka)
- **S10:** Gold - Kapil Kumar (Services)

Women's Events:

- **S7 100m Freestyle:** Gold - Sharanya (Karnataka)
- **S8 100m Freestyle:** Gold - Vaishnavi Vinod (Maharashtra)
- **S9 100m Freestyle:** Gold - Shashruti Vinayak (Maharashtra)

Junior Events:

- **Junior Boys S9 100m Freestyle:** Gold - Mohit Kumar (Bihar)

Special Mentions:

- 50m Backstroke winners included Kamalakant (Odisha, S3) and Jeya Selvan (Tamil Nadu, S6).

Karnataka Triumphs at 24th National Para-Swimming Championship

The 24th National Para-Swimming Championship, held in Panaji, Goa, concluded with Karnataka emerging as the overall champion, securing 392 points. Maharashtra followed closely with 378 points, while Rajasthan claimed third place with 248 points.

Event Highlights

- **Top Teams:**
 - **Karnataka:** Overall champion, driven by standout performances.
 - **Maharashtra:** Finished second, showcasing consistent excellence.
 - **Rajasthan:** Secured third place with strong individual contributions.
- **Individual Champions:**
 - **Men's Senior:** Mohammed Aasim (Kerala)
 - **Women's Senior:** Sharanya (Karnataka)
 - **Junior:** Ravi Karthik (Andhra Pradesh, Men); Sae Pujair (Maharashtra, Women)
 - **Sub-Junior:** Revansh (Haryana, Men); Abha Ganesh (Maharashtra, Women)
- **Participation:**
 - Total competitors: 518 (360 men, 158 women).
 - 231 first-time participants highlighted the growing popularity of para-swimming.
 - Athletes from 28 states competed, with 21 states earning medals.

Zimbabwe Sets Record for Highest T20I Total

Zimbabwe's cricket team achieved a historic milestone, scoring a record-breaking 344/4 in a T20 International match against Gambia during the ICC Men's T20 World Cup Africa Sub-Regional Qualifier B.

- **Sikandar Raza's Explosive Performance**
 - Unbeaten 133 runs off just 43 balls, including 15 sixes.
 - Scored the joint-second fastest T20I century in just 33 balls.
 - Second Zimbabwean to score a T20I century.
- **World Records Broken:**
 - **Highest T20I Total:** Zimbabwe's 344/4 surpassed Nepal's 314/3 (against Mongolia, 2023).
 - **Most Sixes in an Innings:** Zimbabwe hit 27 sixes, breaking Nepal's previous record of 26.
 - **Top Five Highest T20I Totals:**
 1. **Zimbabwe:** 344/4 vs. Gambia (2024)
 2. **Nepal:** 314/3 vs. Mongolia (2023)
 3. **India:** 297/6 vs. Bangladesh (2024)
 4. **Zimbabwe:** 286/5 vs. Seychelles (2024)
 5. **Afghanistan:** 278/3 vs. Ireland (2019)
- **Fastest T20I Centuries:**
 - Estonia's Sahil Chauhan holds the record (27 balls).
 - Raza's century ties with Namibia's Jan Nicol Loftie-Eaton (33 balls, 2024).

Kagiso Rabada Becomes Fastest to 300 Test Wickets by Balls Bowled

South African pace bowler Kagiso Rabada has set a new benchmark in cricket, becoming the fastest bowler to claim 300 Test wickets based on balls bowled. He achieved this milestone in just 11,817 deliveries, surpassing legends like Waqar Younis (12,602) and Dale Steyn (12,605).

Highlights of Rabada's Record

- **Debut:** November 2015 against India.
- **Milestone Match:** Achieved 300 wickets in his 65th Test.

Fastest to 300 Wickets (By Balls Bowled)

1. **Kagiso Rabada:** 11,817 balls.
2. **Waqar Younis:** 12,602 balls.
3. **Dale Steyn:** 12,605 balls.

Ravichandran Ashwin Becomes Top Wicket-Taker in ICC World Test Championship

Ravichandran Ashwin created history during the second Test against New Zealand in Pune by surpassing Nathan Lyon to become the highest wicket-taker in the ICC World Test Championship (WTC). Ashwin, who started the match with 186 WTC wickets, ended the day at 189, overtaking Lyon's 187.

- **Most Wickets in WTC History:**
 1. **Ravichandran Ashwin:** 189
 2. **Nathan Lyon:** 187

3. **Pat Cummins:** 175

- **All-Time Test Wicket-Takers:**

Ashwin now holds 531 Test wickets (7th overall), surpassing Lyon's 530 wickets.

Indian Football Team Rises to 125th in FIFA Rankings

The Indian men's football team has climbed to 125th in the latest FIFA rankings, a slight improvement following a 1-1 draw against Vietnam in a recent friendly. Under the guidance of new coach Manolo Marquez, the team has yet to secure a win, with one loss and two draws, but their 1133.78 points have contributed to this rise.

- **India's FIFA Ranking:** Climbs to 125th (up 1 spot).

- **Top 5 FIFA Rankings:**

1. **Argentina**
2. **France**
3. **Spain**
4. **England**
5. **Brazil**

Chirag Chikkara Leads India to Gold at U23 World Wrestling Championships

Chirag Chikkara made history by becoming the third Indian wrestler to win a gold medal at the Under-23 World Wrestling Championships. Competing in the men's freestyle 57kg category, he clinched victory with a narrow 4-3 win over Abdymalik Karachov of Kyrgyzstan in a thrilling final.

- **Chikkara's Victory:** Only the third Indian to win the Under-23 World Championship gold, after Aman Sehrawat in 2022.
- **India's Total Medals:** 9 medals at the championship:
 - **1 Gold:** Chirag Chikkara (Men's Freestyle 57kg)
 - **2 Silver Medals**
 - **6 Bronze Medals**
- **Team Rank:** India finished **4th** in the overall team standings with **82 points**.
- **Notable Performances:**
 - Vicky secured bronze in the men's 97kg freestyle.
 - Sujeet Kalkal won bronze in the men's 70kg freestyle, making a comeback from a 0-4 deficit.
 - Vishvajit More earned bronze in the men's 55kg Greco-Roman.

Women's Achievements

- **1 Silver Medal:** Anjali (59kg)
- **3 Bronze Medals:** Neha Sharma (57kg), Shiksha (65kg), and Monika (68kg).

Bengal’s Santosh Trophy-winners honoured with Kolkata Police jobs, rewards

Bengal extended its dominance in the national championship by clinching its record 33rd title, defeating Kerala 1-0 in a thrilling final in Hyderabad on New Year’s Eve.

The Santosh Trophy-winning Bengal footballers have been appointed as assistant sub-inspectors in the Kolkata Police, state sports minister Aroop Biswas announced during a felicitation ceremony on Wednesday.

From the winning batch, two players, including final’s hero Robi Hansda, have already been signed by Mohammedan Sporting and were unable to attend the felicitation.

The minister also highlighted the lack of representation of Bengali footballers in the Indian national team and expressed a desire to change that.

“Currently, only one footballer from Bengal, Subhasish Bose, is part of the national side. We need to ensure that at least six or seven players from our state make it to the team.

“For this, we must focus on nurturing more local talent through the Kolkata League. Indian football can only progress if Bengal football progresses,” he stated.

Head coach Sanjoy Sen reflected on the journey to the title, singling out honesty and dedication as the keys to success.

“If you do anything with honesty and sincerity, you can achieve great results,” said Sen, who previously guided Mohun Bagan to 2014-15 I-League and 2015-16 Federation Cup titles.

SANTOSH TROPHY (ALL WINNERS)



WEST BENGAL - 33

PUNJAB - 8	KERALA - 7
SERVICES - 7	GOA - 5
KARNATAKA/MYSORE - 5	MAHARASHTRA/BOMBAY - 4
RAILWAYS - 3	HYDERABAD - 2
ANDHRA PRADESH - 1	DELHI - 1
MANIPUR - 1	MIZORAM - 1

He revealed how he carefully scouted talents from remote areas of the state, assembling an initial pool of 40 players before narrowing it down to the final 22.

Training began during Dussehra, giving the team two-and-a-half months to prepare.

Indian Football Association (IFA) chairman Subrata Dutta praised Sen’s coaching prowess while recalling a former India coach’s words.

“Bob Houghton once told me that Sanjoy Sen is the ‘best Indian coach’. I remembered his words when Sen was appointed as Bengal’s coach this year. I was confident he would deliver, and he has exceeded expectations. I thank the technical committee for making the right decision,” Dutta said.

Apps / Portal

Apps/Portal Name	Launched by	Features
-: January :-		
'K-SMART' App	CM of Kerala, Pinarayi Vijayan	◆ To provide digital access to the services of the Local self Government of Kerala.
'Awaam Se, Awaam Ke Liye' Portal	DGP of J&K, RR Swain	◆ To address the issues of citizen and Police personnel and to interact with common citizen.
'e-samridhi' Portal	Union Home Minister Amit Shah	◆ For registration, purchase and payment of Tur dal producing farmers across India.
ERNET India's web portal	MeitY Secretary, S Krishnan	◆ To offer domain registration and Domain Name System services for educational institutions in the country.
'MPLADS e-SAKSHI' App	Union MoS Rao Inderjit Singh	◆ To improve the guidelines under the MPLAD Scheme.
-: February :-		
'C-CARES' web portal	Ministry of Coal, GoI	◆ To revolutionize record-keeping and streamline processes for CMPFO subscribers and pensioners.
'SWATI' portal	Ajay Kumar Sood, Principal Scientific Advisor, GoI	◆ To include every Indian Women in Science across all career stages, subjects, spanning both academia and the industry.
SWAYAM Plus Platform	Union Minister Dharmendra Pradhan	◆ To offer industry-relevant courses to boost employability in collaboration with L&T, Microsoft, CISCO and others.
-: March :-		
WEP Unnati _ Udyamita se Pragati tak	Union Minister Narayan Rane	◆ To take Women MSMEs to the next level of growth by providing comprehensive capacity building support through Women Entrepreneurship Platform.
'e-Kisan Upaj Nidhi' Platform	Union Minister Piyush Goyal	◆ To facilitate farmers in obtaining post-harvest loans from banks against their stocks stored in the WDRA registered warehouses.
'PM-SURAJ' Portal	PM Narendra Modi	◆ For credit support to one lakh disadvantaged communities of the country.
'Sankalan' App	Union Minister Amit Shah	◆ For navigating through new criminal laws as a bridge between old and new criminal laws.
'BhashaNet' Portal	MeitY and NIXI	◆ To create a multilingual internet where local language website names and email IDs work seamlessly.
-: April :-		
'Samman' Portal	National Mineral Development Corporation	◆ To manage various services for former employees like, managing medical claims, viewing personal profiles, checking dependent details and application status online etc.
'START' Program	Indian Space Research Organisation	◆ An annual introductory-level online training program in space science and technology online training for undergraduate and post-graduate students in India to choose these fields.

Apps/Portal Name	Launched by	Features
'CDP-SURAKSHA'	MoA&FW Platform	◆ To disburse subsidies to horticulture farmers in their bank accounts by utilising the e-RUPI voucher from the NPCI.
Aditya Birla Capital Digital fintech app	Aditya Birla Capital Ltd.	◆ To provide financial products, include DigiGold Gifting, Family Health Scan, and SIMPLiNVEST.
Integrated Pensioners Portal of Bank of India	DoPPW	◆ To ensure ease of living of pensioners by bringing together the pension processing and payment services of five banks into a single window for their services.
-: May-June :-		
'DRIMS' Platform	Government of Assam	◆ To streamline the reporting and assessment of damages caused by various disasters and disburse the aid to those affected.
-: July :-		
Lokpath Mobile App	Chief Minister of Madhya Pradesh	◆ The goal of this digital project is to quickly fix road problems that people report within seven days. It will provide the facility to the general public to report the problems of the roads and will also ensure the accountability of the officers.
Project PARI	Ministry of Culture	◆ Over 150 visual artists from across the country will create various artworks including wall paintings, murals, sculptures, and installations for the beautification of public spaces in Delhi.
Super.Money App	Flipkart	◆ The app to offer payments, credit, deposits and other digital financial services.
NERACE app and web portal	Union Minister for the Development of the North East Region, Jyotiraditya Scindia	◆ It seeks to enhance the income of farmers by providing them with a platform to connect directly with national and international markets. ◆ The NERACE app is designed to facilitate online trade and promote products such as spices, fruits, vegetables, pulses, cereals, and minor forest products.
Sangyaan app understand	Director General of RPF, Manoj Yadava	◆ The app aims to educate and empower RPF Personnel by providing comprehensive information to the provisions of both new and old criminal laws.
Bhusanket Web Portal & Bhooskhalan development Mobile App	Union Minister of Coal and Mines Shri G. Kishan Reddy	◆ These launches highlight GSI's commitment of using technology and innovation for sustainable and disaster mitigation in India.
-: August :-		
Nivahika Web Portal	National Institute of Technology Calicut	◆ The portal is set to transform the Institute's data handling and reporting processes.
e-Sakshya, Nyaya Setu, Nyaya Shruti and e-Summon apps	Union Home Minister and Minister of Cooperation, Amit Shah	◆ The e-Sakshya app enables officers to capture and transmit crime scene evidence, witness information and photos/videos securely to an evidence locker.

Apps/Portal Name	Launched by	Features
SIMS 2.0 Portal	Union Minister of Steel and Heavy Industries, Shri H.D. Kumaraswamy	◆ SIMS 2.0 features API integration with multiple Government portals, enhancing quality control and streamlining processes for improved efficiency and effectiveness.
e-Sankhyiki portal	The Ministry of Statistics and Programme Implementation (MoSPI)	◆ Data Catalogue Module lists the major data assets of the Ministry with the facility for users to search and download data. ◆ Macro Indicators module offers time series data on key macroeconomic indicators with features for filtering and visualizing along with metadata.
U-WIN portal	The Minister of Health and Family Welfare	◆ Portal to capture every vaccination record of all pregnant women and children up to 6 years under the Universal Immunization Programme. ◆ The portal aims to create an electronic registry of routine immunisations, streamlining the process and ensuring comprehensive coverage.
NATS 2.0 Portal	Union Minister for Education, Dharmendra Pradhan	◆ to apprentices to young graduates and diploma holders through the DBT mode. These apprentices are undergoing training in various sectors such as Information Technology, manufacturing, automobile and among other.
PROMPT Portal JAL VIDYUT DPR Portal DRIPS Portal	Union Minister for Power, Manohar Lal Khattar	:- September :- About PROMPT Portal : ◆ This centralized portal will facilitate real-time analysis and tracking of thermal power projects under construction in India. About JAL VIDYUT DPR Portal : ◆ The JAL VIDYUT DPR will provide the real-time status of Hydroelectric pumped storage projects under construction in various parts of the country. About DRIPS Portal : ◆ The online portal will swiftly identify power disruptions in the country due to natural disasters like cyclones, earthquakes, flooding etc.
BoCW MIS Portal	The Ministry of Labour & Employment (MoL&E)	◆ The portal will function as the centralized data management system for compilation and analysis of the data obtained from BoCW Welfare Boards of the States.
National Medical Register (NMR) portal	Union Health Minister J.P. Nadda	◆ It will ensure the authenticity of doctors through Aadhaar ID linkage and streamline the registration process. ◆ It will help to eliminate the issue of fake medical practitioners and serve as a reliable source for the public to verify doctors' credentials.
SHe-Box portal	Union Minister Smt. Annpurna Devi	◆ Women can register complaints of sexual harassment at the workplace, regardless of their work status or sector. ◆ The portal is in line with India's vision of 'Viksit Bharat by 2047'.

Apps/Portal Name	Launched by	Features
Notary Portal	Arjun Ram Meghwal, Minister of State, Ministry of Law & Justice (Independent Charge)	◆ The portal provides an online interface between the notaries and the Government for various services like submission of applications for appointment as notaries, issuance and renewal of Certificates of Practice, change of practice area, submission of annual returns, etc.
Rangeen Machhli App	Union Minister for Fisheries, Animal Husbandry and Dairying, Rajiv Ranjan Singh	◆ The app will provide details on popular ornamental fish species in eight Indian languages to enhance accessibility for a wide audience across different regions of India.
web portal (https://scdpm.nic.in/specialcampaign4/)	Union Minister Dr. Jitendra Singh	◆ The Special Campaign aims to institutionalize Swachhata in all central Government offices using a saturation approach.
BHASKAR Portal	Union Minister of Commerce and Industry, Piyush Goyal	◆ The objective of the portal is to build the world's largest digital registry for stakeholders. ◆ Every stakeholder will be assigned a new unique BHASKAR ID for ensuring personalized interactions across the platform.
-: October :-		
Ek Ped Maa Ke Naam app	Union Minister Shri Jyotiraditya M. Scindia	◆ The app allow the users to capture a image of the tree they've planted using their and provide details about the tree, like its type, location, and why it was planted. ◆ Users can update the tree's growth by uploading a new image every 30 days, allowing for continuous tracking.
e-Migrate V2.0 web portal & Mobile App	External Affairs Minister Dr. S. Jaishankar	◆ The portal is an updated version of the e-Migrate portal, developed by the Ministry of External Affairs in 2014. ◆ The app includes 24×7 multilingual helpline for migrant workers in multiple languages, with real-time solutions for urgent issues.
-: November :-		
e-Shram–One Stop Solution portal	Union Minister of Labour & Employment and Youth Affairs & Sports, Dr. Mansukh Mandaviya	◆ The portal was launched in 2021 to create a National Database of Unorganised Workers (NDUW) in India. ◆ Unorganized workers between 16-59 years can register on this portal.
Civil Registration System (CRS) mobile app	Union Home Minister Amit Shah	◆ The app designed to facilitate the registration of births and deaths seamless and hassle-free. ◆ It has been developed by the Registrar General and Census Commissioner of India.
Sugam app	Chhattisgarh Government	◆ It is a mobile application designed to simplify and make the online property registration process more transparent and user-friendly, allowing citizens to register their properties digitally with features to prevent fraud and disputes related to property ownership, especially in rural areas.
Shiksha Copilot Tool	Karnataka's School Education and Literacy Minister, Madhu Bangarappa	◆ It is a generative AI tool that includes engaging activities, videos, and quizzes that match the school curriculum.

Apps/Portal Name	Launched by	Features
Bhu-Neer portal	Ministry of Jal Shakti	<ul style="list-style-type: none"> ◆ It is an advanced portal developed by Central Ground Water Authority (CGWA) in collaboration with the National Informatics Centre (NIC). ◆ It will serve as a one-stop platform for managing and regulating groundwater resources.
-: December :-		
'The TeacherApp'	Union Minister Dharmendra Pradhan	◆ To transform education in India by equipping educators with future-ready skills for the 21st-century classrooms.
'e-Sankhiyiki' Portal Bharat' Portal	Ministry of Statistics and Programme Implementation	◆ To enhance the accessibility and dissemination of official statistics in India.
'Child Marriage Free	Union Minister Annapurna Devi	◆ To report the incidents of child marriages, file complaints and access details about CMPOs in India.
'e-Daakhil' Portal	Department of Consumer Affairs, MoCAF&PD	◆ To allow consumers to file complaints, pay fees, and track the status of their cases with the relevant consumer forum.
'Eklavya' Digital Platform	COAS Upendra Dwivedi	◆ To train the officers of the Indian Army.
'Yuva Shuddhi Abhiyan'	Karnataka Governor Thaawarchand Gehlot	◆ Anti-narcotic campaign to enlighten the youth about the threat associated with drug misuse.
'Anna Chakra' & 'Scan' Portal	Union Minister Prahlad Joshi	<ul style="list-style-type: none"> ◆ 'Anna Chakra' portal aims to enhance efficiency in the logistics network of the PDS across India. ◆ 'SCAN' Portal aims to streamline the subsidy claim process under the NFSA.
'Amrit Gyan Kosh' Portal	Union Minister of State, Dr. Jitendra Singh	◆ To strengthen governance and empower public administrators in India.
'Nikshay Niramay Chhattisgarh Abhiyan'	Chhattisgarh CM Vishnu Deo Sai	◆ 100-day health campaign aims to eradicate diseases like leprosy, TB, malaria in the state.
'Prakrutik Krushi' Portal	Gujarat CM Bhupendra Patel	◆ To promote organic farming and sustainable agricultural practices across the state.
'Sanraksha' App	Indian Railways	◆ To boost passenger safety by improving frontline safety personnel's training.
'Ek Bharat Shreshtha Bharat' Program	UP and Manipur Governments	◆ To enhance the interaction and promote mutual understandings between people of different state and UTs.

SCHEMES

Schemes Name	Launched by	Features
Yogyasree	WB CM Mamata Banerjee	◆ To provide free training modules for SC and ST students in West Bengal.
Mukhya Mantri Mahila Udyamita Abhiyan	Assam CM Himanta Biswa Sarma	◆ To support women SHG members to become Rural micro-entrepreneurs or Lakhpati Baideu.
Pradhanmantri Suryodaya Yojana	Prime Minister Narendra Modi	◆ To provide Rooftop Solar power systems to 1 crore households.
Van Mitra	Haryana CM Manohar Lal Khattar	◆ To encourage community participation in tree plantation activities on non-forest lands.
SWAYAM	Odisha Cabinet	◆ To provide interest-free bank loans of Rs.1 lakh to rural unemployed youths aged 18-35 (18-40 for special category) to initiate new business.
ADITI Scheme	Union Minister Rajnath Singh	◆ To promote innovations in critical and strategic defence technologies. Under the scheme, start-ups are eligible to receive grant-in-aid of up to Rs. 25 crore for their research in defence technology.
'Mahatari Vandana Yojana'	PM Narendra Modi	◆ To provide financial assistance of Rs. 1000 per month to eligible married women of Chhattisgarh through monthly DBT.
'Indiramma Indlu' Housing Scheme	Telangana CM AR Reddy	◆ To provide house for homeless poor people in Bhadradi Kothagudem district of Telanagana.
'Vikas Spoorty'	Karnataka Grameena Vikas Bank	◆ To strengthen rural credit delivery system and to motivate the common people to take up income-generating activities on a smaller scale.
Krishak Unnati Yojna	Chhattisgarh CM Vishnu Deo Sai	◆ To provide input assistance to farmers, mainly paddy cultivators.
KCC Fisheries Scheme	Department of Fisheries, GoI	◆ To transform access to credit facilities for fishers, fish farmers and stakeholders across India.
Maha Krishi Samrudhi Yojana	Bank of Maharashtra	◆ To offer financial assistance to Food and Agro-Based industries and Agri infrastructure projects.
'Mukhya Mantri Nijut Moina' Scheme	Government of Assam	◆ To combat child marriage in Assam by promoting the education of girl child.
'Bijli Sakhi Yojana'	Government of Chhattisgarh	◆ To empower women in the Jashpur district and support the electricity department in meter reading in remote areas.
'Mukhyamantri Paushtik Alpahar Yojana'	Gujarat CM Bhupendra Patel	◆ To improve students health, nutrition and educational outcomes.
'Urjaveer' Scheme	Union Minister Manohar Lal Khattar	◆ To promote energy efficiency and renewable energy initiatives.
Golden Jubilee Scholarship Scheme	Life Insurance Corp. of India	◆ To support students from economically weaker section for pursuing higher education.
'Jalbahak' Scheme	Union Minister Sarvananda Sonowal	◆ To boost long haul cargo movement via inland waterways across NW on rivers Ganga, Brahmaputra and Barak.

Schemes Name	Launched by	Features
GAINS 2024	Minister of State Sanjay Seth, (Ministry of Defence)	<ul style="list-style-type: none"> It is an innovative scheme to find solution to the problems related to the shipyards and promotes technology development using the start-ups created and nurtured in the country. It encourages and enables MSMEs and Start-Ups to develop innovative solutions for further technological advancement.
ASMITA	The Ministry of Education & UGC	<ul style="list-style-type: none"> The new initiative aims to create a robust ecosystem for translation and original book writing in Indian languages across various disciplines within higher education.
PM SVANidhi	Prime Minister	<ul style="list-style-type: none"> The PM SVANidhi scheme provides micro-credit to street vendors in urban areas to help them recover from the economic impact of the crisis. The scheme offers collateral-free loans up to Rs. 50,000, repayable within a year, aiming to enhance financial stability and support small businesses.
Rajiv Gandhi Civils Abhayahastam	Telangana CM A. Revanth Reddy	<ul style="list-style-type: none"> The scheme under which the candidates who qualify for the Mains exams will be provided with ₹ 1 lakh for preparation. It will be helpful to about 400 candidates from Telangana region who qualify for the Mains every year. Singareni Collieries Company Ltd (SCCL) will provide the assistance as a part of its 'Nirmaan' programme.
Bana Kaih	CM of Mizoram, P U Lalduhoma	<ul style="list-style-type: none"> The scheme provide financial assistance and support to entrepreneurs and farmers across the state. The support will be provided through a series of programs designed to promote economic growth and self-sufficiency.
Jal Hi AMRIT	Ministry of Housing and Urban Affairs	<ul style="list-style-type: none"> The program has been launched to incentivize States & UTs to manage used water (sewage) treatment plants (STPs) for ensuring recyclable good quality treated water.
Deepam 2.0	CM of Andhra Pradesh Chandrababu Naidu	<ul style="list-style-type: none"> Under this scheme, women will receive three free gas cylinders per year. The initiative promotes the use of cleaner cooking fuel (LPG), enhancing household health and safety.
Basundhara 3.0	Assam CM Himanta Biswa Sarma	<ul style="list-style-type: none"> The initiative aims to improve transparency and efficiency in land-related processes, ensuring greater security and recognition of their holdings. It also focuses on digitizing land services and publishing land maps for public benefit.
PM-Vidyalaxmi	Union Cabinet, chaired by PM Narendra Modi	<ul style="list-style-type: none"> The scheme ensures collateral-free, guarantor-free loans for students enrolling in top 860 Quality Higher Education Institutions (QHEIs) across India, including government and private institutions. Students can avail loans up to Rs. 7.5 lakh, with a 75% credit guarantee for defaults.
Strengthening the Medical Device Industry	Union Minister for Chemicals and Fertilizers, JP Nadda	<ul style="list-style-type: none"> The scheme covers critical areas such as manufacturing of key components, skill development, clinical studies, infrastructure development and industry promotion. The scheme will address infrastructure gaps, reduce import dependency, and build a skilled workforce.

Agreements and MoUs

Between whom	Date and Place	Purpose
		-: January :-
MoD & Jupiter Wagons Ltd.	January 5th, 2024, India	<ul style="list-style-type: none"> • Procurement of 697 Bogie Open Military (BOM) Wagons for military transport.
MoD & BEML Ltd	January 5th, 2024 India	<ul style="list-style-type: none"> • Procurement of 56 Mechanical Minefield Marking Equipment (MMME) Mark II.
Bilateral Agreement for 10,000 MW Power Export	5 Jan, 2024 Nepal	<ul style="list-style-type: none"> • To export 10,000 MW of power from Nepal to India over the next 10 years, solidifying energy partnership and fostering sustainable cooperation.
India (ESPA) & Nepal (ESGS)	January 5th, 2024, Nepal	<ul style="list-style-type: none"> • To enhance cooperation in renewable energy between the Nepal Electricity Authority and India's National Thermal Power Corporation Limited.
Indian Railways and USAID	January 6th, 2024, India	<ul style="list-style-type: none"> • To support Indian Railways in achieving 'net zero carbon emission' by 2030, with initiatives on energy solutions, utility modernization, and reducing reliance on imported fuels.
IIT Madras & Sri Lankan Govt.	January 13th, 2024, Kandy	<ul style="list-style-type: none"> • To establish a new IIT Madras campus in Kandy to provide affordable, high-quality education to Sri Lankan students and foster stronger India-Sri Lanka bilateral relations.
Ukraine & United Kingdom	January 13th, 2024, Kyiv,	<ul style="list-style-type: none"> • To enhance Ukraine's security with the UK's commitment until Ukraine joins NATO, strengthening the alliance and providing vital defense support.
IIT Madras & Altair	January 18th, 2024, IIT Madras	<ul style="list-style-type: none"> • To inaugurate a cutting-edge eMobility Simulation Lab to support research and training in eMobility fields, backed by Altair's financial support and advanced simulation technologies.
Switzerland & India	January 23rd, 2024, India	<ul style="list-style-type: none"> • To conclude a 16-year-long negotiation process, finalizing a free-trade agreement aimed at boosting bilateral ties, creating jobs in India, and strengthening economic collaboration.
SII & CEPI	January 24th, 2024	<ul style="list-style-type: none"> • To enhance global health preparedness by boosting vaccine production capacity, enabling rapid and equitable responses to future disease outbreaks, and supporting the 100 Days Mission for epidemic preparedness.
MoD & MDS Ltd	January 25th, 2024	<ul style="list-style-type: none"> • To acquire 14 Fast Patrol Vessels (FPVs) for the Indian Coast Guard to enhance maritime security, anti-piracy, search and rescue, and pollution response, as part of India's strategy to strengthen the Indo-Pacific region's security.
ACME Group & IHI Corporation (Japan)	January 27th, 2024	<ul style="list-style-type: none"> • To supply 0.4 MMTPA of green ammonia from Odisha, India, to Japan, supporting power generation and industrial applications, aiming to reduce emissions and contribute to the green hydrogen and ammonia sector.
		-: February :-
India & Oman	February 2nd, 2024, Oman	<ul style="list-style-type: none"> • To enhance defence cooperation, including procurement of military equipment, joint exercises, training programs, and information sharing, strengthening strategic ties.
India & Saudi Arabia	February 8th, 2024, Riyadh	<ul style="list-style-type: none"> • To enhance bilateral defence cooperation, focusing on joint military training, technology transfer, and mutual areas of interest, strengthening security and strategic ties.
NITI Aayog, Kingdom of the Netherlands	February 6th, 2024,	<ul style="list-style-type: none"> • To address challenges and propose solutions for adopting LNG as a transportation fuel in Medium and Heavy Commercial Vehicles (MHCVs) in India.

Between whom	Date and Place	Key points
India, Russia	February 9th, 2024	<ul style="list-style-type: none"> To amend the 2008 intergovernmental agreement, focusing on the construction of additional nuclear reactors at Kudankulam and development of new reactors in India.
Brazil & Mahindra (India)	February 9th, 2024	<ul style="list-style-type: none"> To fulfill Indian Air Force's (IAF) need for C-390 Millennium transport aircraft, supporting Make in India and Atmanirbhar Bharat initiatives.
MoE, Govt. of India & FIFA	February 9, 2024, Odisha	<ul style="list-style-type: none"> To distribute 11 lakh footballs to over 1.5 lakh schools across India, aiming to enhance access to football in schools and promote sports culture. The initiative includes a phased football distribution and training programs for physical education teachers.
Prama India & C-DAC	February 12, 2024	<ul style="list-style-type: none"> To forge a partnership through a Transfer of Technology (ToT) agreement for the production, marketing, and support of Thermal Cameras. The collaboration aims to promote indigenous manufacturing, innovation, and strengthen India's self-reliance in the electronics sector.
India & UAE	February 15, 2024	<ul style="list-style-type: none"> To interlink India's UPI (Unified Payments Interface) with the UAE's AANI for seamless cross-border instant payments. Additionally, agreements cover sectors such as digital infrastructure, energy, financial cooperation, and cultural ties to deepen strategic partnership.
India & Colombia	February 17, 2024	<ul style="list-style-type: none"> To share India's open-sourced Digital Public Infrastructures (DPIs), focusing on India Stack Solutions, and foster digital transformation through capacity-building, exchange of best practices, and the development of pilot solutions.
IREDA & PNB	February 19, 2024, New Delhi	<ul style="list-style-type: none"> To advance renewable energy initiatives through joint lending and loan syndication for renewable energy projects, manage Trust and Retention Accounts (TRA) for IREDA borrowers, and explore investment opportunities in bonds issued by each other. The collaboration aligns with national goals to achieve 500 GW of Non-Fossil-based electricity generation capacity by 2030.
IEPFA & DBS Bank	February 20, 2024	<ul style="list-style-type: none"> To enhance investor awareness and combat fraud using DBS Bank's digital platforms.
CIAL & BPCL	February 17, 2024, Kerala,	<ul style="list-style-type: none"> To establish the world's first Green Hydrogen plant at Cochin Airport for sustainable aviation.
Government of Goa & World Bank	February 21, 2024, Goa	<ul style="list-style-type: none"> To establish a Blended Finance facility to support low-carbon and climate-resilient investments in Goa.
India & Greece	February 22, 2024, India	<ul style="list-style-type: none"> Strengthen cooperation in trade, defense, security, migration, and key sectors such as shipping and space.
IRCTC & Swiggy	February 23, 2024	<ul style="list-style-type: none"> To enhance dining convenience for railway passengers by delivering pre-ordered meals through IRCTC's e-catering portal.
RBI & Nepal's Financial Inst.	March 5 th 2024, India-Nepal	<p style="text-align: center;">-: March :-</p> <ul style="list-style-type: none"> Strengthen financial cooperation through updated guidelines enabling cross-border digital payments.
AIM, NITI Aayog and Meta	March 7, 2024, India	<ul style="list-style-type: none"> Establish Frontier Technology Labs (FTLs) in schools to democratize access to advanced technologies.
India and EFTA	March 11, 2024, India	<ul style="list-style-type: none"> To foster trade and economic integration, secure \$100 billion investment, and create 1 million jobs in 15 years.
NGEL & RVUNL	March 10, 2024, Rajasthan	<ul style="list-style-type: none"> To develop renewable energy projects and green hydrogen derivatives, focusing on sustainable energy in Rajasthan.

Between whom	Date and Place	Key points
India & the Dominican Republic	March 14, 2024	• To establish a Joint Economic and Trade Committee (JETCO) to enhance bilateral economic ties.
India & Singapore	March 15, 2024	• To deepen cooperation in law and dispute resolution, focusing on international commercial disputes.
DEPwD & CoA	March 15, 2024	• To enhance accessibility and inclusivity for PwDs in public spaces & buildings.
MHI & IIT Roorkee	March 15, 2024	• To foster innovation and advance the automotive and electric vehicle (EV) sector in India.
CBI & Europol	March 23, 2024	• To enhance cooperation between the two agencies for combating transnational crime.
Tech Mahindra & IBM	March 23, 2024	• To inaugurate the Synergy Lounge in Singapore, aimed at accelerating digital adoption for APAC enterprises.
SIA-India & ABRASAT	March 30, 2024	• To sign an MoU for advancing the space sector through collaboration between India and Brazil.
IIM Mumbai & Starburst	March 30, 2024	• To collaborate in strengthening India's Aerospace, New Space, and Defence (ASD) startup ecosystem.
-: April :-		
IOCL & Panasonic Energy India	April 3rd, 2024	• Manufacture lithium-ion cells in India. • Address surging demand for EVs and energy storage.
SJVN & IIT Patna	April 4th, 2024	• Enhance tunneling project performance using advanced geological models.
United States & Britain	April 8th, 2024	• Enhance AI safety by addressing risks of advanced AI models. • Develop advanced testing procedures for AI models.
EU & India	April 10th, 2024	• Promote EV battery recycling innovation. • Facilitate partnerships between EU and Indian startups.
India and Kazakhstan	April 11th, 2024	• Enhance counter-terrorism cooperation. • Address regional terrorist threats, particularly in South Asia and the Afghanistan-Pakistan region
KABIL & CSIR-IMMT	April 11th, 2024	• Enhance India's mineral security. • Leverage CSIR-IMMT's technical expertise for mineral processing and metal extraction.
RRU, India & Starburst Aerospace	April 23rd, 2024	• Advance innovation in aerospace, defence, and security. • Create a venture capital fund and support export promotion for Indian startups
ISKCON & NSDC	April 23rd, 2024	• Provide vocational training to tribal and underprivileged youth across India. • Empower marginalized communities through skill development
Air India & Nippon Airways	April 26th, 2024	• Strengthen aviation ties between India and Japan, enhance travel convenience, and support passenger growth
-: May :-		
NIPL & BoN	May 3rd, 2024	• To introduce a UPI-like instant payment system in Namibia, enhancing financial inclusion and modernizing the nation's financial landscape
CAG of India, & Auditor General of Nepal	May 4th, 2024	• To enhance collaboration in auditing, foster expertise exchange, and support capacity development between the Supreme Audit Institutions (SAIs) of India and Nepal
India and Nigeria	May 7th, 2024	• To finalize the Local Currency Settlement System Agreement to boost bilateral trade, settled in Indian rupees and Nigerian naira

Between whom	Date and Place	Key points
Japan & Govt. of Nagaland	May 11th, 2024, Kohima	• To inaugurate the Kohima Peace Memorial and Eco Park, symbolizing peace, reconciliation, and cultural exchange.
ICG & Hindalco Ind.	May 11th, 2024, India	• To promote the manufacturing and supply of indigenous marine-grade aluminium for shipbuilding, enhancing self-reliance and coastal security.
India & Oman	May 13th, 2024, India	• To enhance research and conservation of sharks and rays in the Arabian Sea through joint workshops, research, and knowledge sharing.
MSDE & Mahindra	May 14th, 2024	• To conduct two pilot projects under the Drone Didi Yojana to train 500 rural women in drone operation for agricultural purposes.
-: June :-		
Nokia & GSV	June 4th, 2024	• To explore advancements in 5G and 6G communications in transportation and logistics sectors.
India & Qatar sectors	June 8th, 2024, New Delhi	• To bolster bilateral relations and explore investment opportunities in like infrastructure, energy, technology, and innovation
MoHFW & MoD	June 8th, 2024, Pune	• To establish a Tele MANAS cell providing 24/7 tele-mental health services to armed forces personnel and their families
India & UAE	June 13th, 2024	• To launch the Local Currency Settlement System (LCSS) to conduct bilateral trade in Indian Rupees and UAE Dirhams
Adani Defence & EDGE Group	June 13th, 2024	• To integrate defence and aerospace capabilities, enhancing global and regional defence solutions
IGNCA & Sansad TV	June 14th, 2024	• To promote and preserve Indian art and culture by broadcasting IGNCA's cultural programs on Sansad TV
MEA & SBI	June 17th, 2024	• To enhance digital payment services for Indian migrant workers via the eMigrate portal
CERT-In & Mastercard India	June 20th, 2024	• Enhance cyber-resilience in India's financial sector through collaboration on incident response, capacity building, and information sharing
MoD and Space Pixxel Technologies Private Limited	25 June, 2024	• The agreement was signed to design and develop a miniaturised satellite capable of carrying multiple payloads up to 150 kg, including electro-optical, infrared, synthetic aperture radar, and hyperspectral sensors for the Indian Air Force.
Punjab & Sind Bank (PSB) and Indian Army	26 June, 2024 in New Delhi	<ul style="list-style-type: none"> • The PSB Gaurav Bachat SB Salary account is designed to cater to the distinct banking requirements of serving and retired personnel. • It provides personal accident insurance (Death/Disability) cover up to Rs 1 crore and an air accidental cover of Rs 1.2 crore.
ADB & Aadhar Housing Finance Limited	Last week of June, 2024	• It is a \$60 million financing agreement to provide housing loans to women in India.
Madhya Pradesh CM M. Yadav & CM B. L. Sharma	30 June, 2024	• To implement the Rs. 72,000 crore Parbati-Kalisindh-Chambal (PKC) inter-state river linking project in Bhopal.
-: July :-		
Ministry of Defence (MoD) State	2 July, 2024 in New Delhi & TIDCO	• It will establish the country's first three state-of-the-art Defence Testing Centres under the Defence Testing Infrastructure Scheme (DTIS) in the which are Unmanned Aerial System (UAS), Electronic warfare (EW) and Electro Optics (EO).

Between whom	Date and Place	Key points
Karnataka Govt. & two Korean Company, DN & EMNI Corp. Ltd.	2 July, 2024 in Seoul, South Korea	<ul style="list-style-type: none"> • DN Solutions will provide Rs.1,000 crore to establish machine manufacturing facilities, a research and development center, and a Solutions technical support center for Indian manufacturing companies in Karnataka. • EMNI Co. Ltd signed an MoU of Rs. 40 crore to invest in the storage, testing and recycling of LG Energy Solution's battery cells in Karnataka.
Delhi Metro Rail Corporation & Rail Vikas Nigam Ltd.	4 July, 2024	<ul style="list-style-type: none"> • As Project Service Providers they will work on various projects including Metro, Railways, High-Speed Rail, Highways, Mega Bridges, Tunnels, Institutional Buildings, Workshops or Depots, Signal and Telecommunication works, and Railway Electrification.
Ministry of Rural Development & Convergence Energy Services Ltd.	5 July, 2024	<ul style="list-style-type: none"> • The MoU was signed to facilitate 'Sustainable Transport for Rural Entrepreneurs through Electric Bicycles (STREE)' for (SHG) Women under the (DAY-NRLM).
AIM & WIPO	22 July, 2024 in New Delhi	<ul style="list-style-type: none"> • The agreement was signed to build suitable programmes jointly to promote Innovation, Entrepreneurship and Intellectual property for Global South.
CSIR & MSSRF	First week of July, 2024	<ul style="list-style-type: none"> • This collaboration aims to leverage CSIR's technological innovations and MSSRF's grassroots outreach to empower marginalized groups.
ADB & AHFL	Last week of June, 2024	<ul style="list-style-type: none"> • They entered into a \$60 million financing agreement to provide housing loans to women in India, includes an initial disbursement of \$30 million to AHFL.
NSIL & Space Machines Company	Last week of June, 2024	<ul style="list-style-type: none"> • The MoU was signed to launch second Optimus spacecraft, weighing 450 kg which is the largest built spacecraft by Australia.
Adani Defence & Aerospace and Thales	First week of July, 2024	<ul style="list-style-type: none"> • They will manufacture 70mm rockets in India. • They will support the Make in India and Aatmanirbhar Bharat vision for India's defence industry.
MoRD & MoMSME	First week of July, 2024	<ul style="list-style-type: none"> • They have signed a Statement of Intent (SoI) to collaborate on formalizing and strengthening Self Help Group (SHG) women-led rural enterprises through MoMSME's flagship schemes.
NABARD & Online PSB Loans Ltd.	First week of July, 2024	<ul style="list-style-type: none"> • The MoU was signed to promote financial inclusion through regional rural banks. • This Mou will smoothen the enrolment and claim settlement processes under the Jan Suraksha Schemes for all 43 Regional Rural Banks (RRBs).
ADB & the ENGIE Group	First week of July, 2024	<ul style="list-style-type: none"> • They have signed a long-term local currency loan agreement to construct and operate a 400-megawatt solar photovoltaic power plant in Surendranagar District, Gujarat, India.
Indian Railways/ GSV Vadodara & Airbus	5 July, 2024 in New Delhi	<ul style="list-style-type: none"> • The MoU was signed to strengthen the Indian aviation sector. • The MoU was signed in September, 2023 and the definitive agreement was signed on 5 July, 2024.
DEPwD with ISLRTC & YUNIKEE	Second week of July, 2024	<ul style="list-style-type: none"> • The first MoU was signed to launch two advanced accessibility training programs for panel accessibility auditors and CPWD engineers and The second MoU was signed to provide free and accessible skills to the deaf community and their youth.

Between whom	Date and Place	Key points
NIPL and QNB	11 July, 2024	<ul style="list-style-type: none"> They will launch QR-code-based UPI payments across the West Asian country.
PNB & SAIL	11 July, 2024 in New Delhi	<ul style="list-style-type: none"> The signed MoU to offer concessional loans at special rates to SAIL employees like home loans, car loans and education loans to SAIL employee.
India and the Republic of Marshall Islands	15 July, 2024 in Tokyo, Japan	<ul style="list-style-type: none"> They signed MoU for four community development projects. The projects are part of India's outreach to Pacific Island states.
BIS and IISc, Bengaluru	3 July, 2024 in Bengaluru	<ul style="list-style-type: none"> The MoU was signed for the establishment of the 'BIS Standardization Chair Professor' at the institute.
UPL Group and ISRO	Third week of July, 2024	<ul style="list-style-type: none"> The MoU was signed for advance research and innovation in chemical sciences.
RRU & NSE IX	19 July, 2024 in Lavad, Gandhinagar	<ul style="list-style-type: none"> Through this MoU, RRU and NSE IX will work together on upskilling and training programs related to economic crimes, forensic accounting, cybercrimes, financial regulations and technological advancements.
Indian Navy & IOCL	22 July, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU aims to pioneer the deployment of hydrogen fuel cell technology for heavy-duty e-mobility.
Paytm and Axis Bank	Fourth Week of July	<ul style="list-style-type: none"> They have collaborated to offer Point-of-Sale (PoS) solutions and Electronic Data Capture (EDS) machines to the bank and its merchant network.
C-DOT and IIT Roorkee & IIT Mandi	Fourth Week of July	<ul style="list-style-type: none"> They have collaborated for the development of 'Cell-Free' 6G Access Points. Both the IITs are collaborating to develop this technology.
TASL & Airbus Helicopters	Fourth Week of July ; at the Farnborough Airshow 2024	<ul style="list-style-type: none"> They have formalised the contract to establish the H125 Final Assembly Line (FAL) in India for single-engine H125 choppers.
IAEA with UNOSSC cooperation.	Fourth Week of July	<ul style="list-style-type: none"> The partnership aimed to enhance their joint efforts to give boost to sustainable development through South-South and triangular
iDEX-DIO & AFMS	30 July, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU aims to foster innovation and research in developing novel medical technologies and their integration into the Armed Forces.
TPSSL & BOI	Last Week of July	<ul style="list-style-type: none"> It will facilitate easy financing for rooftop solar installations and establishment of electric vehicle charging stations.
MoD & UPDIC	30 July, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU was signed to set up three state-of-the-art testing facilities in Uttar Pradesh, One in Lucknow and two in Kanpur.
Thales and Garuda Aerospace	Last Week of July	<ul style="list-style-type: none"> The MoU was signed to promote the development of the drone ecosystem in India.
Ministry of Ayush and WHO	31 July, 2024 in Geneva	<ul style="list-style-type: none"> Under this agreement, the Government of the India will donate US\$ 85 million over a period of 10 years (2022-2032) to support the operations of the WHO. GTMC in Jamnagar, Gujarat.
Thomas Cook India & NPCI	Last Week of July	<ul style="list-style-type: none"> They have partnered to launch the first RuPay AED (United Arab Emirates Dirham) forex card.

Between whom	Date and Place	Key points
		-: August :-
GoI & World Bank	1 August, 2024	<ul style="list-style-type: none"> They have signed a \$500 million agreement to construct the Green National Highway Corridors Project (GNHCP).
India and Vietnam	1 August, 2024 in New Delhi	<ul style="list-style-type: none"> They will develop the National Maritime Heritage Complex (NMHC) in Lothal, Gujarat to preserve and celebrate their shared maritime heritage.
HDFC Securities & Vested Finance	First Week of August	<ul style="list-style-type: none"> They have tied-up for democratising global investing for Indians and NRIs through Global Investing 2.0.
Govt. of Nagaland & SBI General Insurance	2 August, 2024 in Kohima,	<ul style="list-style-type: none"> The MoU was signed for Disaster Risk Transfer Parametric Insurance Solution (DRTPS) in Kohima. It makes Nagaland the first state in the country to implement DRTPS.
India and Saint Christopher & Nevis	5 August, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU was signed to enhance sports cooperation, which includes athlete training, technical assistance and training for coaches, sports science and infrastructure development.
NGI & GEOM	6 August, 2024 in New Delhi	<ul style="list-style-type: none"> This MoU is for educational collaboration which will foster mutual growth in the education sector.
UNICEF & West Bengal Govt.	Second week of August	<ul style="list-style-type: none"> This initiative aims to enhance family support for breastfeeding and improve the rates of exclusive breastfeeding for the first six months of a child's life.
ISLRTC & AWES	8 August, 2024 in New Delhi	<ul style="list-style-type: none"> This collaboration aims to enhance accessibility and inclusivity in education for the hearing-impaired community within the Indian Army and its associated institutions.
AIIA & Amity University, UP	8 August, 2024	<ul style="list-style-type: none"> The MoU is signed for the collaboration on education, research and technology in the field of Ayurveda.
SBI & Jakson Engineers Ltd.	8 August, 2024 in Mumbai	<ul style="list-style-type: none"> This MoU will promote solar energy adoption across India, making solar energy more accessible and affordable.
India and New Zealand	8 August, 2024 in Wellington	<ul style="list-style-type: none"> The two countries signed a Customs Cooperation Arrangement (CCA) to facilitate trade between the two countries.
SCTIMST and WHO	9 August, 2024 in New Delhi	<ul style="list-style-type: none"> This MoU is a significant step forward in ensuring fair and equal access to critical technologies for various countries in the world.
MEA & New Space India Ltd.	10 August, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU was signed to grant assistance to NSIL for the launching of the Nepal-built Munal satellite.
Indian Railways and NCRTC	Second week of August	<ul style="list-style-type: none"> They have collaborated to launch 'One India-One Ticket' initiative. This initiative will simplify the journey for travellers on Indian Railways and Namo Bharat Trains.
India & USA	13 August, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU is signed to promote cooperation on Small and Medium-sized Enterprises.
EEPC India & ISSDA	13 August, 2024	<ul style="list-style-type: none"> The agreement aims to facilitate the exchange of trade information and promote international investment through joint ventures and technical collaborations.
CAG of India & Chamber of Accounts, Uzbekistan	Third Week of August in Tashkent	<ul style="list-style-type: none"> The collaboration aims to enhance collaboration and exchange expertise in auditing.
Reliance Foundation & IMD	Third Week of August, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU was signed to facilitate greater access to and application of weather information to improve livelihoods and resilience for climate-sensitive communities across the India.

Between whom	Date and Place	Key points
DARPG PSD, Govt. of Malaysia	20 August, 2024 in New Delhi	<ul style="list-style-type: none"> They signed MoU to foster 'Co-operation in the field of Public Administration and Governance Reforms' for a period of five years w.e.f. 20 August, 2024.
KVIC & DoP	20 August, 2024 in New Delhi	<ul style="list-style-type: none"> Under this MoU, the employees of the Postal Department will physically verify new units being set up across the Country under the PMEGP.
Government of India & ADB	21 August, 2024 in New Delhi	<ul style="list-style-type: none"> They signed a loan package of USD 500 million to improve access to quality and affordable tertiary health care and medical education in Maharashtra.
DoP & NRSC of ISRO	22 August, 2024 in New Delhi	<ul style="list-style-type: none"> The MoU aims to establish a standardized geo-coded addressing system in India. Which will help with tracking, streamline delivery services.
Udaan & MOCAF&PD & SIDBI	Fourth Week of August, 2024	<ul style="list-style-type: none"> The aim of the partnership is to transform Fair Price Shops (FPSs) into 'Jan Poshan Kendras (JPK)'. to enhance the income of FPS dealers and improve the variety of products offered at these shops.
MoRD & MSC Lucknow	24 August, 2024 in New Delhi	<ul style="list-style-type: none"> This partnership aims to optimize Community Investment Funds (CIF) under the (DAY-NRLM).
ICAR-CIFE & VAMNICOM	26 August, 2024 in Mumbai	<ul style="list-style-type: none"> The partnership aims to improve the integration of advanced technology and promote value addition within fishery cooperatives.
MSDE & Visa Inc.	Last Week of August, 2024	<ul style="list-style-type: none"> They have signed a three-year partnership valued at up to \$1 million to up skill at least 20,000 Indian youth in tourism-relevant skills.
India & Saudi Arabia	30 August, 2024 in Riyadh	<ul style="list-style-type: none"> The MoU aims to foster collaboration and facilitate the exchange of expertise between the two nations in the sector of public sector auditing.
IIS & UWW	Last Week of August, 2024 in Paris	<ul style="list-style-type: none"> The agreement aims to establish a collaborative framework for developing wrestling in India through various mutually beneficial programs, initiatives, projects and activities.
MCA, Nepal & TIL, India	30 August, 2024	<ul style="list-style-type: none"> They have signed a USD 12.36 million contract to construct a 18 km cross-border electricity transmission line from the 400 kV New Butwal Substation in Nawalparasi Bardaghat Susta West to the Nepal-India border.
IIM Kozhikode's Laboratory for Innovation Venturing & Entrepreneurship & RBI Hub	2 September, 2024 at IIMK campus in Kerala	<p style="text-align: center;">-: September :-</p> <ul style="list-style-type: none"> The two organisations signed MoU to foster innovation, research and support for start-ups in the financial technology sector. The MoU aims to build a unified and robust ecosystem that accelerates FinTech growth and development through shared resources expertise and innovative strategies.
National Test House (NTT) & Bureau of Energy Efficiency (BEE)	3 September, 2024	<ul style="list-style-type: none"> The MoU was signed to strengthen the Standards & Labelling (S&L) Program, promoting energy efficiency in India. The initiative will enhance the accuracy and reliability of energy performance standards. The MoU promotes sustainable development in India through energy conservation by saving electricity.
MoPR & UNICEF	6 September, 2024	<ul style="list-style-type: none"> They have signed a Letter of Intent (LoI) to collaborate on strengthening systems for social change in rural communities. This partnership aims to set up systems for effective communication between the Ministry, Elected Representatives and Field Functionaries of Panchayati Raj Institutions and Rural Communities.

Between whom	Date and Place	Key points
		<ul style="list-style-type: none"> ● It will improve social delivery to rural citizens and better contact with women and children.
Indian Army & Indian Air Force with Gati Shakti Vishwavidyalaya	9 September, 2024 in New Delhi	<ul style="list-style-type: none"> ● The MoU was signed to enhance the skills and capability building of personnel in logistics operations. ● This collaboration aligns with the national development plans such as PM Gati Shakti National Master Plan 2021 and National Logistics Policy 2022.
MoD & HAL	9 September, 2024	<ul style="list-style-type: none"> ● They have signed a Rs. 26,000 crore contract for procurement of 240 AL-31FP aero engines for Su-30MKI aircraft. ● These aeroengines will be manufactured by the Koraput Division of HAL. ● This contract aligns with India's Aatmanirbhar Bharat initiative.
MSDE & Swiggy	Second Week of September, 2024	<ul style="list-style-type: none"> ● They have signed MoU to launch 'Swiggy Skills' to offer employment opportunities within its food delivery and quick commerce network. ● The new platform was launched on 7 September in New Delhi. ● It provides internship opportunities for people in restaurant operations.
NHA & IITK	11 September, 2024	<ul style="list-style-type: none"> ● They have inked an MoU for development of digital public goods for Artificial Intelligence in healthcare. ● Under this MoU, IIT Kanpur will develop a quality-preserving database, an open benchmarking platform for comparing and validating AI models and a consent management system for research under the Ayushman Bharat Digital Mission (ABDM). ● The platform will be operated by NHA.
IREDA & SJVN Limited	Second Week of September, 2024	<ul style="list-style-type: none"> ● They have signed MoU to develop a 900 MW hydro-electric project in Nepal. ● It will enhance regional energy security through the development of renewable energy infrastructure and cross border clean energy projects.
India and Denmark	18 September, 2024 in New Delhi	<ul style="list-style-type: none"> ◆ The MoU was signed between the two nations to advance sustainable maritime practices. ◆ The collaboration under the India-Denmark Green Strategic Partnership, has expanded across areas of Quality shipping, Cooperation on Port State Control, Maritime training, Piracy, Green maritime technology, shipbuilding and green shipping. ◆ Both countries are focusing on decarbonise its ports, with joint projects aimed at developing hydrogen and ammonia-based fuels for ships and supporting India's Maritime Amrit Kaal Vision 2047. ◆ The MoU between India and Denmark was originally signed in 2019 and revised in 2022 by adding a dedicated clause for the establishment of a Centre of Excellence (CoE) in India.
Khadi & Village Industries Commission & NIFT	Third Week of September, 2024 in New Delhi	<ul style="list-style-type: none"> ◆ The MoU has been signed under the 'Centre of Excellence for Khadi-2.0 (COEK-2.0)' to take the 'Khadi brand' to new heights and enhance its reach in domestic and international markets. ◆ The partnership will focus on design innovation, capacity building of and market expansion. ◆ NIFT's expertise in fashion design and technology will make Khadi more appealing to the youth.
SIDM with EDCC & EDGE	18 September, 2024 in Abu	<ul style="list-style-type: none"> ◆ During the first-ever India-UAE Defence Industry Partnership Forum, the two MoUs was signed on defence industry cooperation between the

Between whom	Date and Place	Key points
Group of the UAE	Dhabi	<p>two nations.</p> <ul style="list-style-type: none"> ◆ The main objective of the MoUs is to promote joint development of unmanned systems and next-generation platforms, technological advancement, and strengthen UAE's position on the global defence stage. ◆ The partnership aligns with India's involvement in the India-Middle East-Europe Economic Corridor (IMEC).
NPCI International Payments Ltd. (NIPL) & Trinidad & Tobago	27 September, 2024	<ul style="list-style-type: none"> ◆ They have signed an agreement to develop a real-time payment platform similar to India's Unified Payments Interface (UPI). ◆ This marks Trinidad & Tobago as the first Caribbean nation to adopt UPI technology, joining countries like France, UAE and Singapore. ◆ The bilateral partnership will enable the Caribbean country to establish a real-time payments platform for both person-to-person (P2P) and person-to-merchant (P2M) transactions. ◆ The accessibility, affordability and connectivity with domestic and international payment network will be enhanced.
India & Nepal	27 September, 2024	<ul style="list-style-type: none"> ◆ The two countries have signed 12 MoUs for High-Impact Community Development Projects (HICDPs). ◆ The projects include the construction of school buildings, health centers, a water supply system etc. ◆ The construction of school buildings will take place in Okhaldhunga, Dailekh, Saptari, Morang, Chitwan and Sunsari. ◆ The Government of India will provide a fund of Rs. 474 million for the project. ◆ The projects will be executed by local authorities under the Government of Nepal.
Andhra Pradesh & Karnataka	27 September, 2024 in Vijayawada, AP	<ul style="list-style-type: none"> ◆ The MoU was signed to address wildlife and forests management challenges and enhance its protection. ◆ The agreement aims to address human-elephant conflict, provide training and capacity building for forest personnel and develop skills for handling and managing elephants. ◆ The Karnataka Government will train 25 Mahouts and Kavadis identified by AP Government to improve their skills. ◆ It also focuses on real-time information sharing on elephant migration, preventing the smuggling of red sanders and sandalwood and curbing wildlife poaching.
Department of Posts and Amazon	4 October, 2024 in New Delhi	<p style="text-align: center;">-: October :-</p> <ul style="list-style-type: none"> ◆ The MoU was signed to increase Amazon's reach to customers including in more remote locations. ◆ This will strengthen the logistics and e-commerce in India. ◆ The agreement expands the previous collaboration with Amazon using India's vast postal network to send and receive packages.
AICTE & SIDM	4 October, 2024 in New Delhi	<ul style="list-style-type: none"> ◆ The MoU aims to create a future-ready workforce for the Defence and Aerospace sectors by strengthening the partnership between academia and the defence industry. ◆ The collaboration includes specialized programs, industry internships, research projects and awareness programs on critical technologies.

Between whom	Date and Place	Key points
		<ul style="list-style-type: none"> ◆ The MoU was signed for three years and will allow the defence industry to hire skilled graduates who are trained in relevant fields.
Indian Navy & Bajaj Allianz Life	10 October, 2024	<ul style="list-style-type: none"> ◆ Under the MoU BALIC will offer diverse product portfolio including term insurance to naval civilians at affordable premiums with various options. ◆ The insurance can be availed by naval civilians on a voluntary basis. ◆ This insurance will help in providing instant financial relief in case of the death of the incumbent or any other eventuality as covered under insurance policy. ◆ To maximize the benefits of the partnership, BALIC plans to conduct educational seminars and sessions for naval civilians. ◆ BALIC will also implement specialized processes to cater specifically for naval personnel for their unique needs.
India and Colombia	15 October, 2024 in New Delhi	<ul style="list-style-type: none"> ◆ The two countries have signed an Audio-Visual Co-Production Agreement to enhance collaboration in film production and strengthen cultural ties and goodwill between them. ◆ Colombia becomes the 17th country to sign a Co-operation agreement with India. ◆ The agreement between India and Columbia is expected to benefit producers from both the countries in pooling their creative, artistic, technical, financial and marketing resources for the co-production. ◆ It will also lead to exchange of art and culture among the two countries.
IOCL & NOC	3 October, 2024 in New Delhi	<ul style="list-style-type: none"> ● The two companies inked a Business to Business (B2B) Framework Agreement for the development of petroleum infrastructure in Nepal. ● As per the agreement, a 50-kilometre petroleum pipeline from Siliguri of India to Charali of Jhapa will be built. ● A Smart Greenfield Terminal will also be constructed at Charali to enhance the storage and distribution capabilities in Nepal. ● India will provide a grant for the implementation of a project to build a 62-kilometre petroleum pipeline from Amlekhgunj to Lothar of Chitwan. ● A Smart Greenfield Terminal with 91,900 kiloliters capacity will be built by the NOC with the technical assistance of the Indian Government.
Government of India & Global Biofuels Alliance (GBA)	11 October, 2024 in New Delhi	<ul style="list-style-type: none"> ● They signed a Host Country Agreement (HCA) for setting up GBA Secretariat in India. ● The agreement, following the Union Cabinet's approval on 3 October 2024, shall facilitate GBA Secretariat in India, comprising both Indian and international staff. ● The HCA will provide necessary legal status to GBA, including immunities and privileges under the United Nations (Privilege & Immunities) Act, 1947, enabling efficient discharge of its functions and programs in accordance with the laws, rules and regulations of India. ● The GBA Secretariat will also provide job opportunities for Indian experts in the sector.
Ministry of Rural Development (MoRD) with 10 banks	Third Week of October, 2024 in New Delhi	<ul style="list-style-type: none"> ● The MoU was signed with nine Public Sector Banks and one Private Bank under Deendayal Antyodaya Yojana-National Rural Livelihood Mission (DAY NRLM). These Banks are: <ul style="list-style-type: none"> ✓ Bank of Baroda

Between whom	Date and Place	Key points
		<ul style="list-style-type: none"> ✓ Bank of India ✓ Bank of Maharashtra ✓ Canara Bank ✓ Central Bank of India ✓ Indian Bank ✓ Indian Overseas Bank ✓ Punjab National Bank ✓ UCO Bank ✓ IDBI Bank Limited <ul style="list-style-type: none"> ● These Banks have designed specific products for financing individual women entrepreneurs under the fold of DAY-NRLM which will help women avail bigger ticket size loans for scaling up their enterprises.
India and Seychelles	21 October, 2024 in Victoria, Seychelles	<ul style="list-style-type: none"> ● The MoU aims to strengthen the professional capacity and develop the cooperation between their respective Auditor General's offices. ● It also includes plans to organize training courses and capacity development programs between the two Supreme Audit Institutions of India and Seychelles.
MoD with Chowgule & Company Pvt. Ltd., Goa	24 October, 2024	<ul style="list-style-type: none"> ● They signed a contract for procurement of six Air Cushion Vehicles (ACVs) for the Indian Coast Guard at a total cost of Rs. 387.44 crore. ● These amphibious vessels, also called 'Hovercrafts', will be procured under the Buy {Indian} category. ● These ACVs will be manufactured in India for the first time in line with the 'Aatmanirbhar Bharat' vision of the Government. ● The project will boost India's technical and manufacturing capabilities and also promote growth in related sectors.
Indian Railways & DETEC of Switzerland	29 October, 2024	<ul style="list-style-type: none"> ● The renewed MoU builds upon the original MoU signed on 31 August 2017, will enhance technical cooperation between the two nations. ● The MoU will provide a comprehensive framework for collaboration with the Indian Railways in various areas, including technology sharing, track maintenance, management and construction.
IIMSFIE with SIDBI	Last Week of October, 2024 at IIM Shillong	<ul style="list-style-type: none"> ● They signed the MoU to provide comprehensive entrepreneurship training and incubation support to aspiring entrepreneurs. ● As part of this collaboration, IIMSFIE will introduce the Skill to Enterprise Model (STEM) Programme to equip aspiring entrepreneurs with the skills, knowledge, and mentorship needed to transform their innovative ideas into successful businesses. ● The IIMSFIE will offer an intensive 18-month entrepreneurship training programme designed for 30 selected candidates.
India's Bharat Dynamics Ltd. (BDL) with Russia's Rosoboronexport	First Week of November, 2024	<p style="text-align: center;">-: November :-</p> <ul style="list-style-type: none"> ● The MoU was signed at the 5th India-Russia Inter-Governmental Commission (IRIGC) Subgroup meeting in Goa. ● They signed MoU to collaborate on the Pantsir air defence missile-gun systems. ● With this collaboration, India and Russia aim to explore new avenues for manufacturing. ● It also aims to improve India's air defence capabilities amid regional security challenges.

Between whom	Date and Place	Key points
India & BIMSTEC	8 November, 2024 in New Delhi	<ul style="list-style-type: none"> • The agreement was signed to establish BIMSTEC Energy Centre in Bengaluru, Karnataka. • The agreement aims to strengthen energy cooperation among member states. • The Energy Centre will foster inter-grid connectivity across the Bay of Bengal region. • It will also carry out research, joint projects, workshops, training and capacity building programmes related to energy cooperation.
IEAMS. Jaishankar & KFM Abdullah Ali Al Yahya	December 4, 2024, India	-: December :- Establish a Joint Commission for Cooperation (JCC) to enhance bilateral relations and cooperation in areas like trade, energy, security, education, and culture.
Deepak Kapoor IN & Manoj Choudhary Vice Chancellor, GSV	December 17, 2024, India	Enhance education, research, and training in logistics for the Indian Navy, focusing on supply chain management, multimodal transportation, and sustainability.
GoI & Asian Development Bank	December 21, 2024, India	Sign a \$350 million loan to enhance India's logistics sector through reforms, infrastructure, and digital integration.
MoD and L&T	December 20, 2024, New Delhi	Procure K9 VAJRA-T Self-Propelled Tracked Artillery Guns to enhance Indian Army's firepower and support Aatmanirbhar Bharat.
ISRO and ESA	December 26, 2024	Enhance collaboration in human space exploration, focusing on astronaut training, mission execution, and research.



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আসন্ন WBCS, পিএসসি মিসলেনিয়াস, ফুড সাব-ইন্সপেক্টর, পিএসসি ক্লার্কশিপ, ওয়েস্টবেঙ্গল পুলিশ, এসএসসি সিজিএল, কম্বাইন্ড হায়ার সেকেন্ডারি লেভেল, এসএসসি জিডি কনস্টেবল, ব্যাঙ্ক-সহ বিভিন্ন রাজ্য ও কেন্দ্রীয় সরকারি চাকরি পরীক্ষার কারেন্ট অ্যাফেয়ার্স বিষয়ে পুঙ্খানুপুঙ্খ তথ্যাবলী একক প্লাটফর্মে পেতে অ্যাচিভার্স ইয়ার বুক-২০২৫ প্রকাশিত হয়েছে। নানান ঘটনার মধ্য দিয়ে সদ্য অতিক্রান্ত হয়ে যাওয়া ২০২৪ সালের ১ জানুয়ারি থেকে ৩১ ডিসেম্বর পর্যন্ত সমস্ত সাম্প্রতিক খবরের পুঙ্খানুপুঙ্খ তথ্যাবলী 'অ্যাচিভার্স ইয়ার বুক-২০২৫'-এ উপস্থাপিত করা হয়েছে। 'অ্যাচিভার্স ইয়ার বুক-২০২৫' সংগ্রহ করতে আজই নিকটবর্তী বুকস্টলে যোগাযোগ করুন।



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List of Indian Ambassadors and High Commissioners to Foreign Countries

(As on 31.12.2024)

Country	Ambassador/HC	Country	Ambassador/HC	Country	Ambassador/HC
Afghanistan	Vinay Kumar	Guyana	Dr. Amit Telang	Poland	Smt. N. M. Mallick
Algeria	Shri G. Ahluwalia	Hungary	Mr. Partha Satpathy	Portugal	Manish Chauhan
Angola	Ms. Pratibha Parkar	Iceland	B. Shyam	Qatar	Dr. Deepak Mittal
Argentina	Shri Dinesh Bhatia	Indonesia	Mr. S. Chakravorty	Romania	Mr. R. Shrivastava
Armenia	Ms. N. Saha Sinha	Iran	Shri R. G. Shresth	Russia	Vinay Kumar
Australia	Mr. Gopal Baglay	Iraq	Shri Soumen Bagchi	Saudi Arabia	Dr. Suhel Ajaz Khan
Austria	Mr. J. Mazumdar	Ireland	Shri Akhilesh Mishra	Senegal	Shri Dinkar Asthana
Azerbaijan	S. Madhusudhanan	Israel	Sanjeev Singla	Serbia	Ms. S. Tripathi
Bahrain	Mr. Vinod K. Jacob	Italy	Ms. Vani Rao	Seychelles	Mr. Kartik Pande
Bangladesh	Shri Pranay Verma	Jamaica	Masakui Rungsung	Singapore	Dr. Shilpak Ambule
Belarus	Mr. A. Ranjan Jha	Japan	Shri. Sibi George	Slovenia	Ms. N. S. Kumar*
Belgium	Mr. Saurabh Kumar	Jordan	Shri A. Haleem	South Africa	Shri Prabhat Kumar
Bhutan	Shri S. Dalela	Kazakhstan	Dr. T. V. N. Prasad	South Sudan	Mr. V. K. Sharma
Botswana	Mr. B. K. Kuthati	Kenya	Dr. Virander Paul	Spain	Shri Sanjay Verma
Brazil	Shri S. K. Reddy	Kuwait	Dr. Adarsh Swaika	Srilanka	Santosh Jha
Bulgaria	Sanjay Rana	Laos	Prashant Agarwal*	Sudan	B. S. Mubarak
Cambodia	Dr. D. Khobragade	Lebanon	Md. Noor R. Sheikh	Switzerland	Mr. Mridul Kumar*
Canada	Mr. S. K. Verma	Madagascar	B. Wilsonbabu	Tajikistan	Mr. Rajesh Uike
Chile	Mr. S. Bhattacharjee	Malaysia	Shri B.N.Reddy*	Thailand	Mr. Nagesh Singh
China	Shri P. Kumar Rawat	Malta	Ms. S. Bahadur	Tunisia	Shri N. J. Gangte*
Colombia	Shri Vanlalhuma	Mauritius	K. Nandini Singla	Türkiye	Shri M. K. Pardeshi
Croatia	Shri R. K. Srivastava	Mexico	Dr. Pankaj Sharma	Uganda	Shri A. Ajay Kumar
Cyprus	Mr. Manish	Mongolia	Sanjeev Kumar	Ukraine	Mr. Harsh K. Jain*
Denmark	Shri M. Prabhat	Morocco	Shri R. Vaishnaw	U. A. E.	Shri Sunjay Sudhir
Djibouti	Shri Ashok Kumar	Mozambique	Ankan Banerjee	U. K.	Vikram Doraiswami
Egypt	Mr. Ajit Gupte	Myanmar	Shri Abhay Thakur	U. S. A.	Mr. Vinay Kwatra
Ethiopia	Shri R. Shetkintong	Namibia	Mr. Prashant Agrawal	Uzbekistan	Manish Prabhat
Estonia	Mr. A. Kumar	Nepal	Shri N. Srivastava	Venezuela	Shri Abhishek Singh
Fiji	Shri P. S. Karthigeyan	Netherlands	Mr. Kumar Tuhin	Vietnam	Mr. Sandeep Arya
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France	Mr. Jawed Ashraf	Norway	Dr. Acquino Vimal	Zambia	Mr. Ashok Kumar
Germany	H. Parvathaneni	Oman	Shri Amit Narang	Zimbabwe	Mr. V. Khanduja
Ghana	Shri Manish Gupta	Panama	Mr. Upender S. Rawat		
Greece	Shri R. Tandon	Paraguay	Shri Y. Sangwan		
Guatemala	Dr. M. K. Mohapatra	Philippines	Shri S. S. Kumaran		

* High Commissioner

(As on 31.12.2024)

Informations of High Courts in India

High Court	Year	Established by which act	Jurisdiction	Seat	Bench	Chief Justice
1. Allahabad High Court	1866	High Court's Act, 1861	Uttar Pradesh	Allahabad	Lucknow	Arun Bhansali
2. Andhra Pradesh High Court	2019	Andhra Pradesh Reorganisation Act, 2014	Andhra Pradesh	Amaravati	—	Dhiraj Singh Thakur
3. Bombay High Court	1862	High Court's Act, 1861	Maharashtra, Goa, Dadra and Nagar Heveli, Daman, Diu	Mumbai	Nagpur, Panaji, Aurangabad	Devendra Kumar Upadhyaya
4. Calcutta High Court	1862	High Court's Act, 1861	West Bengal, Andaman and Nicobar Islands (UT)	Kolkata	Port Blair	T. S. Sivagnanam
5. Chhattisgarh High Court	2000	Madhya Pradesh Reorganisation Act, 2000	Chhattisgarh	Bilaspur	—	Ramesh Sinha
6. Delhi High Court	1966	Delhi High Court's Act, 1966	National Capital Region New Delhi	New Delhi	—	Vibhu Bakhru (Active)
7. Gauhati High Court	1948	The Govt of India Act - 1935	Arunachal Pradesh, Assam, Nagaland, Mizoram	Gauhati	Kohima, Jole, Itanagar	Vijay Bishnoi
8. Gujarat High Court	1960	Bombay Reorganisation Act, 1960	Gujarat	Ahmedabad	—	Sunita Agarwal
9. Himachal Pradesh High Court	1971	State of Himachal Pradesh Act 1970	Himachal Pradesh	Simla	—	Gurmeet Singh Sandhawalia
10. Jammu & Kashmir and Ladakh High Court	1928	Virtue Order No. 1, issued by Maharaja Hari Singh on 26 March 1928	Jammu and Kashmir	I. Srinagar II. Jammu	—	Tashi Rabstan
11. Jharkhand High Court	2000	Reorganization of State of Bihar 2000	Jharkhand	Ranchi	—	M. S. Ratna Sri Ramachandra Rao
12. Karnataka High Court	1884	Mysore Act, 1884	Karnataka	Bengaluru	Hubli-Dharwad and Gulbarga	Nilay Vipinchandra Anjaria

High Court	Year	Established by which act	Jurisdiction	Seat	Bench	Chief Justice
13. Kerala High Court	1956	States Reorganisation Act, 1956	Kerala, Lakshadweep	Ernakulam	—	Nitin Madhukar Jamdar
14. Madhya Pradesh High Court	1956	the Government of India Act, 1956	Madhya Pradesh	Jabalpur	Gwalior, Indore	Suresh Kumar Kait
15. Madras High Court	1862	High Court's Act, 1861	Tamil Nadu, Puducherry	Chennai	Madurai Shriram	Kalpathi Rajendran
16. Orissa High Court	1948	Orissa High Court Order, 1948	Orissa	Cuttack	— Singh	Chakradhari Sharan
17. Patna High Court	1916	Government of India Act 1915	Bihar	Patna	—	Krishnan Vinod Chandran
18. Punjab & Haryana High Court	1947	High Court (Punjab) order Act, 1947	Punjab, Haryana, Chandigarh	Chandigarh	—	Sheel Nagu
19. Rajasthan High Court	1949	Rajasthan High Court Ordinance, 1949	Rajasthan	Jodhpur	Jaipur	Manindra Mohan Shrivastava
20. Sikkim High Court	1955	High Court of Judicature (Jurisdiction and Powers) Proclamation, 1955	Sikkim	Gangtok	—	Biswanath Somadder
21. Uttarakhand High Court	2000	Uttar Pradesh Reorganisation Act, 2000	Uttarakhand	Nainital	—	Guhathath Narendar
22. Manipur High Court	2013	North Eastern Areas (Reorganisation) Act, 1971	Manipur	Imphal	—	D. Krishnakumar
23. Meghalaya High Court	2013	North Eastern Areas (Reorganisation) Act, 1971	Meghalaya	Shillong	—	Indra Prasanna Mukerji
24. Tripura High Court	2013	North Eastern Areas (Reorganisation) Act, 1971	Tripura	Agartala	—	Aparesh Kumar Singh
25. Telangana High Court	2019	States Reorganisation Act, 1956	Telangana	Hyderabad	—	Alok Aradhe

Declaration

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