

DAILY CURRENT AFFAIRS (DCA)

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INDIA'S START-UP ECOSYSTEM WITNESSED EXPONENTIAL GROWTH: META

Context

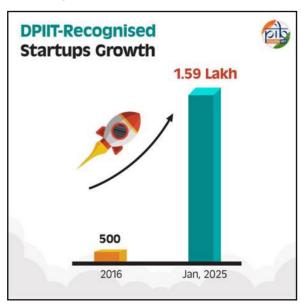
 According to a report released by Meta, India's start-up ecosystem has witnessed exponential growth over the last decade.

Key Highlights

- It identified six key levers of growth of India's startups such as: Al adoption, cross-border expansion, omnichannel presence, Tier 2/3 market expansion, category diversification, creator-led brand building.
- Integration of Al: Over 70% of startups were integrating artificial intelligence into their business operations.
 - Sectors such as healthcare, edtech, and beauty were leading in AI maturity, leveraging automation for customer service, predictive analytics, and personalisation.
- **Tier 2 and 3 Market Focus:** Emerging as the new growth area.
 - Startups use vernacular content, regional influencers, and WhatsApp-based commerce for penetration.
 - Service-based startups are entering these markets earlier than product-based ones.

India's Startup Ecosystem

- India is home to one of the most vibrant startup ecosystems with close to 30,000+ tech startups, making it the 3rd largest startup ecosystem in the world after the US and China.
- The number of DPIIT-recognised startups has grown from around 500 in 2016 to 1,59,157 as of January 2025.



From 2016-2024, recognised startups have reportedly created over **16.6 lakh direct jobs,** significantly contributing to employment generation.

Industries Leading Job Creation in Startups





(Jobs created as of October 31, 2024)

- India is ranked fourth after the US, UK and China in terms of total funding to tech startups.
 - At present, the country has over 1.4 lakh startups. India minted six new unicorns in 2024 alone.
- Significance:
 - Generated Employment: Startups have created over 1.6 million jobs across the country, demonstrating their role as significant employment generators.
 - Boosted GDP Growth: Startups contribute directly to GDP through innovation-driven productivity and indirectly by fostering ancillary industries.
 - Attracted Foreign Investments: India has become a magnet for global venture capital (VC) and private equity (PE) investments.
 - Promoted Inclusivity: Rural-focused startups and social enterprises are addressing critical gaps in healthcare, education, and agriculture, improving the quality of life for millions.

Government Initiatives

- Startup India: Launched in 2016, it is a flagship initiative by the Government of India to foster innovation and create a thriving startup ecosystem. Through various schemes, it aims to empower startups to scale and succeed.
- Startup India Seed Fund Scheme (SISFS): Launched in 2021, the SISFS supports startups at various stages, including proof of concept, prototype development, product trials, market entry, and commercialisation.



- Credit Guarantee Scheme for Startups (CGSS):
 It provides credit guarantees for loans to DPIIT-recognised startups from Scheduled Commercial Banks. NBFCs. and Venture Debt Funds.
- Atal Innovation Mission (AIM): Launched in 2016 by NITI Aayog, it aims to promote innovation and entrepreneurship across India.
 - It includes initiatives like Atal Tinkering Labs at the school level to foster creativity, Atal Incubation Centres to build a robust startup ecosystem, and Atal Community Innovation Centres to serve unserved and underserved regions.
- MeitY Startup Hub (MSH): It serves as a central hub, ensuring synergies among incubation centres, Centres of Excellence on Emerging Technologies, and other platforms supported by the Ministry of Electronics and Information Technology.
- IndiaAl Mission (2024): It has a budget of ₹10,300 crore over five years.
 - A key goal is the creation of a high-end common computing facility with 18,693 GPUs.
- India's Al Models & Language Technologies:
 The government is facilitating the development of India's own foundational models, including Large Language Models (LLMs) and problem-specific Al solutions tailored to Indian needs.
- Al Centers of Excellence: Establishing dedicated Al hubs and innovation centers across the country to support Al startups and research.
- India's Digital Public Infrastructure (DPI):
 Combines public funding with private sector innovation to drive digital transformation.

Conclusion

- Over the last 10 years, India's startup ecosystem has experienced tremendous growth, becoming the third-largest in the world.
- India's startup ecosystem is entering a new maturity phase, marked by:
 - Smarter tech-led growth;
 - Regional inclusivity;
 - Global ambition;
 - Focus on sustainability and consumer personalization.
- These shifts reflect not just a digital revolution but a **strategic rethinking of entrepreneurship in India.**

Source: TH

INDIA-US TRADE DEAL TO FINALISE SOON

Context

 In a recent address, the US President signaled the possibility of a 'very big' trade deal with India, suggesting that negotiations between the two nations are gaining momentum.

About India-USA Trade Deal

- Past Engagements:
 - Post-independence: India's protectionist policies and the US's Cold War alliances limited deep economic engagement.
 - 1991 Reforms: India's economic liberalization marked a turning point, opening the door to greater foreign investment and trade.
 - 2005–2015: The US emerged as a key trading partner, with bilateral trade growing steadily.
 - Initiatives like the US-India Trade Policy Forum (TPF) were launched to resolve disputes and deepen ties.

Present Scenario:

- Trade Volume: Bilateral trade reached \$191 billion, making the US India's largest trading partner.
- **Tariff Tensions:** The US imposed a **10%** baseline tariff and proposed a **26%** reciprocal tariff on Indian goods in April 2025, citing trade imbalances.
- Negotiations Underway: Talks have intensified, with both sides aiming to finalize an interim trade deal before July 9, 2025. Key areas include:
 - Market access for agricultural and industrial goods, including entry of genetically-modified (GM) crops;
 - Tariff concessions for Indian textiles, pharmaceuticals, and electronics;
 - Digital trade and customs facilitation.

Key Concerns in US-India Trade Relations

- Tariff Disparities: India maintains one of the highest average applied tariffs among G20 nations — around 17%, compared to the US average of 3.3%. India is seeking full exemption from these duties.
 - The US is looking for greater market access, especially in sectors like agriculture, dairy, and industrial goods.
- Agriculture and Dairy Sensitivities: India is cautious about opening its agriculture and dairy sectors, citing the need to protect small farmers and domestic producers.



- These sectors are politically sensitive and have become major sticking points in trade talks.
- Steel and Aluminum Tariffs: The US has imposed reciprocal tariffs of up to 26% on Indian steel and aluminum exports, citing national security concerns.
 - India has protested these measures and is seeking concessions.
- Regulatory and Infrastructure Barriers: U.S. exporters often face non-transparent regulations, price sensitivity, and infrastructure bottlenecks in India.
 - These include delays in project approvals, inconsistent state-level policies, and logistical inefficiencies.
- Digital Trade and Data Localization: India's push for data localization and its stance on digital sovereignty have raised concerns among US tech firms.
 - Negotiations are ongoing to find common ground on digital trade norms.

Way Forward

- India & US remain committed to finalizing a multisector Bilateral Trade Agreement (BTA) by end 2025.
 - The goal is to double bilateral trade to \$500 billion by 2030, up from \$191 billion in 2024-25.
- As both nations work toward a comprehensive trade pact, the outcome could reshape global supply chains, bolster economic resilience, and set a precedent for equitable globalization.

Source: TH

STATISTICAL REPORT ON AGRICULTURE AND ALLIED SECTORS

Context

 The National Statistics Office (NSO), Ministry of Statistics and Programme Implementation (MoSPI) released the annual publication of "Statistical Report on Value of Output from Agriculture and Allied Sectors (2011-12 to 2023-24)".

About

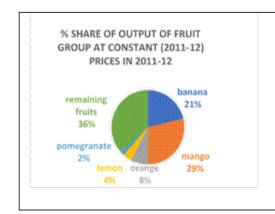
 It is a comprehensive document which provides detailed tables on values of output of Crop, Livestock, Forestry & logging and Fishing & aquaculture sectors of Agriculture & allied activities from 2011-12 to 2023-24 at both current and constant (2011-12) prices.

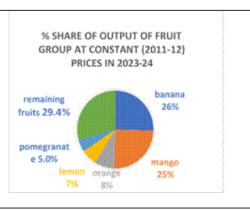
Key Highlights

- Overall Growth: Gross Value Added (GVA) at current prices grew by 225%, from ₹1,502 thousand crore in 2011–12 to ₹4,878 thousand crore in 2023–24.
 - Gross Value of Output (GVO) at constant prices increased by 54.6%, from ₹1,908 thousand crore to ₹2,949 thousand crore.
- Sectoral Contribution to GVO (2023–24, at constant prices):

Sector	Contribution	Notable
	to GVO	Trends
	₹1,595	Largost
Crop sector	thousand crore	Largest contributor
	(54.1%)	contributor
Livestock	₹919 thousand	Fastest
	crore	growing
Forestry	₹227 thousand	Moderate
	crore	growth
Fishing & Aquaculture	Share rose to	
	7.0% (from	Rapidly rising
	4.2%)	

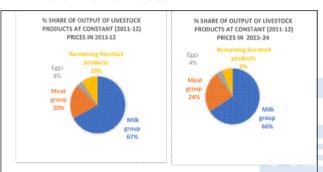
- Crop Sector Details: Cereals + Fruits & Vegetables contributed 52.5% of total crop GVO,
 Paddy & Wheat contributed 85% of cereal GVO.
- Top Cereals GVO States (2023–24): Uttar Pradesh, Madhya Pradesh, Punjab, Telangana, and Haryana collectively contributed 53% of cereal GVO.







- Condiments & Spices: Top State Madhya Pradesh (19.2%) followed by Karnataka (16.6%) and Gujarat (15.5%).
- Livestock Sector: GVO rose from ₹488 to ₹919 thousand crore.
 - Milk is dominant but share decreased from 67.2% to 65.9%.
 - Meat share has increased from 19.7% to 24.1%.
- **Fishing & Aquaculture:** Contribution increased from **4.2% in 2011-12 to 7.0% in 2023-24.**
 - The share of inland fish has decreased from 57.7% to 50.2% whereas, the share of marine fish has increased from 42.3% to 49.8% during 2011-12 to 2023-24.
 - Significant shifts in GVO (at constant prices) in Fisheries has been observed in the two major contributing States of West Bengal and Andhra Pradesh.



Importance Agriculture and Allied Sectors

- Contribution to GDP and GVA: The sector contributed around 18% to India's Gross Value Added (GVA) in 2023–24.
- Employment Generation: It is the largest employer in the country. About 45% of India's workforce is engaged in agriculture and allied activities (as per Periodic Labour Force Survey -PLFS 2022–23).
- Food Security: Ensures food security for over 1.4 billion people through production of cereals, pulses, vegetables, fruits, dairy, fish, and livestock products.
 - Key to successful implementation of the Public Distribution System (PDS) and food subsidy schemes.
- **Contribution to Exports:** India is among the top exporters of rice, spices, marine products, cotton, tea, coffee, and buffalo meat.
- Rural Development and Poverty Alleviation:

 Drives rural income growth, supports rural infrastructure, and boosts consumption.
- Strategic and Political Importance: Plays a critical role in political stability due to its impact

- on inflation, rural distress, and food prices.
- Agriculture often features centrally in policy debates, budget allocations, and election manifestos.

Government Initiatives

- Pradhan Mantri Kisan Samman Nidhi (PM-KISAN): PM-KISAN is a central sector scheme launched in 2019 to supplement financial needs of land holding farmers, subject to exclusions.
- Pradhan Mantri Fasal Bima Yojana (PMFBY): It
 was launched in 2016 in order to provide a simple
 and affordable crop insurance product to ensure
 comprehensive risk cover for crops to farmers
 against all non-preventable natural risks.
- Agriculture Infrastructure Fund (AIF): The Fund of Rs. 1 lakh crore under the scheme will be disbursed from FY 2020-21 to FY2025-26 and the support under the scheme will be provided for the duration of FY2020-21 to FY2032-33.
- National beekeeping and Honey Mission (NBHM): It is a Central Sector Scheme launched in 2020 under Atma Nirbhar Bharat Abhiyan for overall promotion and development of scientific beekeeping & to achieve the goal of "Sweet Revolution".
- Namo Drone Didi: It is a Central Sector Scheme for a period from 2024-25 to 2025-26.
 - The scheme aims to provide drones to 15000 selected Women Self Help Group (SHGs) for providing rental services to farmers for agriculture purposes (application of fertilizers and pesticides).
- Soil Health Card (SHC): Provides information to farmers on nutrient status of their soil along with recommendation on appropriate dosage of nutrients to be applied for improving soil health and its fertility.
- National Mission on Edible Oil (NMEO)-Oil
 Palm (NMEO-OP): It has been launched in 2021
 in order to promote oil palm cultivation for making
 the country Aatamnirbhar in edible oils.
- **e-NAM (National Agriculture Market):** Pan-India electronic trading platform integrating APMCs.
 - Aims at transparent, competitive prices for farmers.
- National Livestock Mission (NLM): Focuses on breed improvement, fodder development, and entrepreneurship in livestock.
- Pradhan Mantri Matsya Sampada Yojana (PMMSY): Comprehensive development of the fisheries sector with focus on infrastructure, processing, and exports.



Conclusion

- The agriculture and allied sectors are not just about food production—they are the backbone of India's economic resilience, social equity, and ecological sustainability.
- Strengthening these sectors is vital for achieving SDGs, ensuring inclusive growth, and making India Atmanirbhar (self-reliant).

Source: PIB

INDIA'S FIRST MARITIME NBFC LAUNCHED

In News

 The Union Minister of Ports, Shipping & Waterways (MoPSW) inaugurated Sagarmala Finance Corporation Limited (SMFCL).

Sagarmala Finance Corporation Limited (SMFCL)

- It was formerly known as Sagarmala Development Company Limited.
- It is a Mini Ratna, Category-I, Central Public Sector Enterprise and has been formally registered as a Non-Banking Financial Company (NBFC) with the Reserve Bank of India (RBI).
- It is India's first NBFC in the maritime sector.

Do you know?

- A Non-Banking Financial Company (NBFC) is a company registered under the Companies Act, 1956 or 2013
- It is primarily engaged in financial activities like loans, advances, and investments in securities.
- It excludes companies whose main business is agriculture, industry, trade in goods or services, or real estate.
 - Companies that collect deposits under various schemes are classified as Residuary NBFCs.
- Banks and NBFCs differ in key ways despite both engaging in lending and investments:
 - NBFCs cannot accept demand deposits.
 - NBFCs are not part of the payment and settlement system and cannot issue cheques.
 - Deposit insurance facility of Deposit Insurance and Credit Guarantee Corporation (DICGC) is not available to depositors of deposit taking NBFCs.

Importance of SMFCL

- It is aligned with the Maritime Amrit Kaal Vision 2047 and aims to bridge financing gaps and offer tailored financial solutions for ports, MSMEs, startups, and maritime institutions.
- It will support strategic areas like shipbuilding, renewable energy, cruise tourism, and maritime education, helping to drive economic growth and logistics efficiency.
- The launch marks a key step in making India a global maritime power, creating a dedicated financial ecosystem for inclusive and sustainable maritime development.

India's maritime sector

- It is crucial to its trade, handling 95% of trade by volume and 70% by value.
- The Ministry of Ports, Shipping & Waterways oversees the sector, which includes 12 major and 200+ minor ports.
- In FY24, ports handled 818 million tonnes of cargo, up 4.45% from FY23. The government supports the sector with 100% FDI and tax incentives.
- The Amrit Kaal Vision 2047 builds on Maritime India Vision 2030 to globalize ports, enhance inland/coastal shipping, and promote sustainability.
- **SAGAR SETU Platform** was launched by the Ministry of Ports, Shipping and Waterways (MoPSW) in June 2025 to revolutionize maritime and logistics operations.
- India also plans a new shipping company to expand its fleet by 1,000 ships, aiming to cut foreign freight costs by a **third by 2047**.

Source: TH

NEWS IN SHORT

MANASAROVAR LAKE

In News

 The first batch of Indian pilgrims has arrived at Lake Manasarovar in Tibet after a five-year pause, marking the resumption of the sacred pilgrimage.

Lake Manasarovar

 It is one of the world's highest freshwater lakes, located about 2,000 km from Lhasa at the southern foot of Mount Kailash.



- Mount Kailash and the Mansarovar Lake lie in the Tibet Autonomous Region of China.
- It is known for its crystal-clear blue shores and emerald green center.
- It is revered in both Hinduism and Buddhism and attracts pilgrims mainly from India, Tibet, and neighboring countries.

Religious Significance Lake Manasarovar

- According to Hindu mythology, the lake was created by Lord Brahma for his sons to perform religious rituals.
- In Buddhism, Lake Manasarovar is associated with Jambhala, the Tibetan Buddhist god of wealth and abundance.

Source:TH

ADI KARMYOGI PROGRAMME

In News

 The Ministry of Tribal Affairs launched the Adi Karmyogi Programme.

About the Adi Karmyogi Programme

- Launched by: Ministry of Tribal Affairs
- Aim: To capacitate nearly 20 lakh stakeholders involved in tribal welfare delivery, including bureaucrats, block officials, and frontline workers.
- Focus Areas: The program will focus on improving outcomes in critical areas such as:
 - Healthcare gaps (with special attention to Sickle Cell Disease)
 - School staffing shortages
 - Poor access to public services in tribal belts
- Connection to Mission Karmayogi: While "Adi Karmyogi" is specifically for tribal affairs, it aligns with the broader "Mission Karmayogi" (launched in 2020) the National Programme for Civil Services Capacity Building (NPCSCB).

Source: TH

SPREE SCHEME

In News

 In the 196th meeting, the Employees' State Insurance Corporation (ESIC) re-launched this scheme for 2025 with the objective of expanding ESI coverage across the country.

About SPREE Scheme

 Genesis: Originally introduced in 2016, SPREE (Scheme to Promote Registration of Employers/ Employees) has facilitated the registration of over 88,000 employers and 1.02 crore employees.

- **Objective:** It aims to bring unregistered employers and left-out workers (including contractual and temporary staff) under the ESI Act.
- **Duration:** The renewed SPREE scheme will be open from July 1st to December 31st, 2025.
- **Benefit**: By focusing on voluntary compliance rather than penalisation, the scheme will seek to ease the litigation burden, encourage formal registration, and foster improved engagement and goodwill among stakeholders.

Amnesty Scheme – 2025

The Corporation also approved Amnesty Scheme
 –2025, a one-time dispute resolution window from
 October 1, 2025 to September 30, 2026 aimed
 at reducing litigation and promoting compliance
 under the ESI Act.

Source: ET

VARIABLE RATE REVERSE REPO (VRRR) AUCTION

In News

- Recently, The Reserve Bank of India conducted a 7-day Variable Rate Reverse Repo (VRRR) auction to manage liquidity, receiving and accepting ₹84,975 crore in bids against a notified amount of ₹1 lakh crore.
 - The cut-off rate was 5.49%, with a weighted average rate of 5.45%, indicating the interest at which RBI absorbed excess funds from banks.

Variable Rate Reverse Repo (VRRR)

- It is a short-term tool under RBI's Liquidity Adjustment Facility.
- It used to absorb surplus liquidity at marketdriven rates.
- It helps the RBI maintain monetary stability and control short-term interest rate volatility, reflecting its ongoing focus on effective liquidity management.

Source: AIR

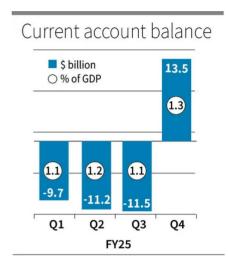
INDIA REPORTS CURRENT ACCOUNT SURPLUS

Context

 According to the Reserve Bank of India (RBI), India's current account balance recorded a more than expected surplus of \$13.5 billion in Q4 (January-March) of FY25.

About

 The CAB surplus is higher than expected is underscored by the fact that India Ratings and Research (Ind-Ra) had estimated it at around 7billion (0.7 per cent of GDP) in the reporting quarter.



The Current Account Balance

- The Current Account Balance is a key component of a country's Balance of Payments (BoP) and reflects its transactions with the rest of the world in goods, services, income, and transfers.
- The Current Account comprises trade in goods, trade in services, primary income (investment income), and secondary income (transfers and remittances).
- A surplus in the current account occurs when inflows exceed outflows.
- Significance of CAB Surplus:
 - Indicates Strong External Position.
 - Strengthens Foreign Exchange Reserves.
 - Improves Investor Confidence.

Source: TH

ALPHAGENOME

Context

 Google DeepMind has released a new tool called AlphaGenome.

About

- This is a new Al model that is specifically tuned to accurately predict how individual mutations in human DNA affect their functions.
- It can analyze extremely long DNA sequences (up to 1 million base pairs) and predict how genetic variants affect gene regulation.

- It is capable of analyzing both common and rare genetic variants, across diverse cell types and biological processes, using a single unified model.
- It is trained using large public genomic datasets.
- Availability: Currently available via Application Programming Interface (API) for non-commercial, research-focused use.
 - Not approved for clinical diagnosis yet.

Significance

- Marks a major step in Al-powered genomic research.
- Enhances understanding of non-coding DNA, often overlooked but critical to genetic diseases, including cancers.
- Reflects the growing role of AI in biosciences and precision health.

Source: IT

TEC-VERSE 2025

In News

 The Ministry of Electronics and Information Technology launched the Tec-Verse 2025.

Tec-Verse 2025

- It is the inaugural technology showcase event organized by the Ministry of Electronics and Information Technology (MeitY) to support the Viksit Bharat 2047 vision.
- It brings together MeitY's premier R&D institutions—Centre for Development of Advanced Computing (C-DAC), SAMEER, and C-MET—to exhibit indigenous innovations addressing real-world societal challenges.
- It marks a shift towards a product-driven economy and will be held annually to promote research, development, and commercialization of cuttingedge technologies.

Source: PIB

IBAT ALLIANCE

In News

• **IBAT Alliance** doubled its investment in biodiversity data from 2023 to 2024.

About IBAT (Integrated Biodiversity Assessment Tool) Alliance

- Founded in 2008 at the IUCN World Conservation Congress.
- It is a collaboration of four major global conservation organisations like BirdLife International, Conservation International, IUCN



- (International Union for Conservation of Nature) & UNEP-WCMC (United Nations Environment Programme World Conservation Monitoring Centre).
- Its mission is to provide data, tools, and guidance that help organizations act on biodiversity-related risks and opportunities.
- IBAT data help monitor progress towards international biodiversity goals, including those outlined in the Kunming-Montreal Global Biodiversity Framework (adopted in Dec2022)

• **Headquarter:** The UK

Source: DTE

GREEN DATA CENTRE

Context

 Uttar Pradesh Chief Minister and Union Minister for Science & Technology, laid the foundation stone for a state-of-the-art Green Data Centre in Sahibabad, Ghaziabad.

About

- A Green Data Centre is a facility designed to house computer systems and associated components (like storage and networking) while minimizing environmental impact through energy efficiency, sustainable practices, and the use of renewable resources.
- It is set up through a collaboration between Central Electronics Limited (CEL) (a PSU under the Ministry of Science & Technology) and ESDS.
- **Purpose:** Strengthen India's digital self-reliance and infrastructure.
- **Sustainability Features:** Energy-efficient technologies and renewable energy sources.
 - Smart cooling systems, reflective roofing, rainwater harvesting.
 - Designed to minimize environmental impact and support 200 high-density racks per floor.
 - Tier III/TIA/Uptime-compliant for high availability and disaster resilience.

 The Green Data Centre is expected to attract startups, enterprises, and government agencies, while generating skilled jobs and fostering local innovation.

Central Electronics Limited (CEL)

- Established in **1974** to commercialize indigenous technologies.
- Developed India's first solar cell in 1977, and India's first solar panel in 1978 and installed India's first solar power plant in 1992.
- Awarded Mini Ratna status recently.

Source: IE

DHOLE (ASIATIC WILD DOG)

Context

- The Dhole, or Asiatic wild dog (Cuon alpinus), once thought locally extinct, was recently seen in Assam's Kaziranga–Karbi Anglong Landscape (KKAL), according to the Wildlife Institute of India (WII).
 - The last confirmed sighting of dholes in northeast India was reported from Nagaland in 2011.

About the Dhole

- **Social Behaviour:** Highly social; typically form packs of up to 30 but may hunt alone or in pairs depending on prey availability.
- **Lifespan:** 10–13 years in the wild; up to 16 years in captivity.
- Threats: Major threats include habitat loss, prey depletion, persecution, disease, and competition with other predators — causing population fragmentation.
- **Distribution:** Now restricted to parts of Central and Eastern Asia, including India, Nepal, Bhutan, Bangladesh, China, Myanmar, Indonesia, Thailand, and Malaysia.
- Conservation Status: It is included in CITES Appendix II
 - Dholes are classified as endangered on the IUCN Red List.

Source: TH