

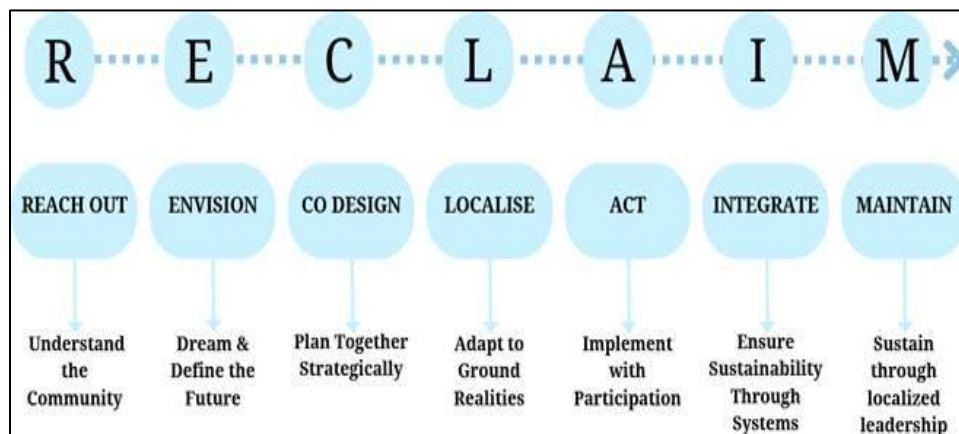
July - 08

TNPSC BITS

- ❖ The Prime Minister of India was awarded 'The Order of the Republic of Trinidad and Tobago,' the country's highest civilian honour.
- ❖ The Steel Authority of India Limited (SAIL) has officially opened its first overseas office in Dubai.
- ❖ The MiPhi Semiconductors, a Micromax and Phison joint venture, has launched India's first locally designed and manufactured enterprise-grade Solid State Drives (SSDs).
- ❖ Russia becomes the first country to officially recognise Afghanistan's Taliban government as the legitimate authority.
- ❖ India's first transgender-led health clinic in Hyderabad was reopened as Sabrang Clinic with new funding from the Tata Trusts after US Agency for International Development (USAID) funding stopped.
- ❖ The Government of Telangana, with the Japan International Cooperation Agency (JICA), is launching India's first state-led Digital Public Infrastructure (DPI) for Artificial Intelligence (AI) called Telangana Data Exchange (TGDeX).

TAMIL NADU NEWS

RECLAIM Plan for Mine Areas



- ❖ Government to start RECLAIM (Reviving Environment, Communities, Livelihoods Around Impacted Mines) Framework.
- ❖ It is made by the Coal Controller and Heartfulness Institute under the Coal Ministry of India.

- ❖ RECLAIM will help people and nature after coal mines are closed.
- ❖ It gives a step-by-step guide for working with local people.

NATIONAL NEWS

India-Ghana New Partnership

- ❖ The Prime Minister of India visited Ghana after more than 30 years and met President John Mahama.
- ❖ Both leaders have upgraded India-Ghana ties to a Comprehensive Partnership and signed four MoUs (Memorandum of Understanding).
 - The first MoU was for cultural exchange in art, music, and literature.
 - The second MoU connected Indian and Ghanaian standards bodies (BIS and GSA).
 - The third MoU focused on traditional medicine education and training.
 - The fourth MoU created a Joint Commission for regular discussions.



OBC Certificate – Supreme Court

- ❖ The Supreme Court will hear a case about allowing a child to get an OBC (Other Backward Class) certificate from their mother's side.
- ❖ Current rules ask for an OBC certificate from the father or paternal relatives, not the mother.
- ❖ A 2012 case (Rameshbhai Dabhai Naika v. State of Gujarat) says the children of inter-caste couples are usually assumed to follow the father's caste, but this can be changed based on upbringing.

- ❖ In a 2019 Delhi High Court case, a single SC (the Scheduled Caste) mother was denied caste certificates for her sons because they had not faced disadvantage.
- ❖ In 2020, the Delhi High Court said that a child must show proof of facing caste-based disadvantage to claim the mother's caste.
- ❖ In 2024, the Gauhati High Court allowed an OBC certificate to a girl raised by her OBC mother, stating that caste identity is based on upbringing and social reality.
- ❖ The Supreme Court may now decide on national rules for caste certificates in cases where the child is raised by a single mother.



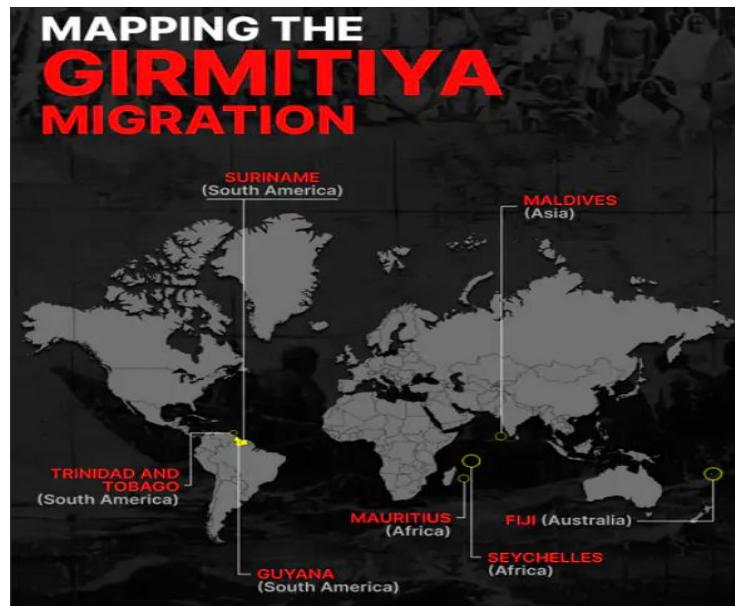
Unicode Consortium

- ❖ India has rejoined the Unicode Consortium through the Ministry of Electronics and Information Technology (MeitY).
- ❖ Unicode sets the global standards for text and emojis used on all digital devices.
- ❖ MeitY is now a supporting Member, giving India half a vote in the Unicode Technical Committee.
- ❖ India is the only national government with a voting seat, along with the Tamil Virtual Academy.
- ❖ India's membership costs \$20,000 (₹17 lakh) per year.
- ❖ India was previously a member from 2000 to 2019 and again briefly in 2021.

- ❖ The Unicode helps recognise Indian languages like Hindi and Tamil in global technology systems.
- ❖ India's involvement is part of the TDIL (the Technology Development for Indian Languages) initiative, which promotes Indian scripts online.



Honour to Girmitiya Legacy

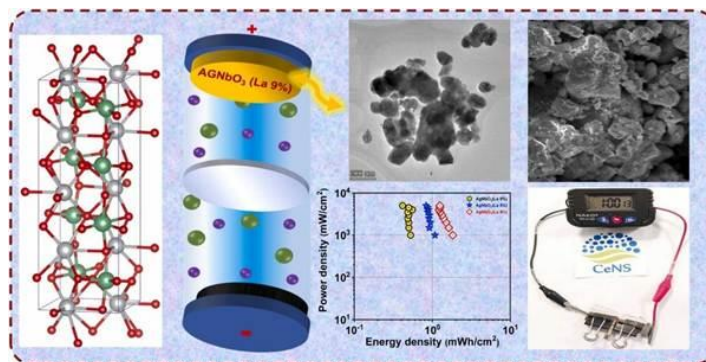


- ❖ India plans to make a database of Girmitiya descendants and their roots.
- ❖ Girmitiyas were Indian workers under British rule from the 1830s to the 1920s.
- ❖ They were sent to places like the Caribbean, Fiji, Mauritius, and South Africa.
- ❖ In Trinidad and Tobago, many families came as indentured labourers.
- ❖ New plan helps even sixth-generation Girmitiya descendants.
- ❖ India will give Overseas Citizenship of India (OCI) cards to them.
- ❖ OCI cards were started in 2005 under the Citizenship Act of 1955.
- ❖ The database will help check old family links to India.

SCIENCE AND TECHNOLOGY NEWS

Green Energy Boost Material

- ❖ The Indian scientists created lanthanum-doped silver niobate to improve super capacitors.
- ❖ Supercapacitors are devices that store and release energy quickly.
- ❖ Lanthanum is a rare-earth element that enhances electrical properties.
- ❖ Doping with lanthanum shrinks silver niobate particles, increasing surface area.
- ❖ This improves energy storage and electrical conductivity.
- ❖ The new material retains 118% of its energy capacity after many uses.
- ❖ It achieves 100% coulombic efficiency, meaning almost no energy loss.
- ❖ A prototype powered an LCD (Liquid Crystal Display) to show real-world use.



New Study on Healthy Ageing

- ❖ The Indian Institute of Science (IISc), Bengaluru, has launched a large-scale study called BHARAT.



- ❖ BHARAT stands for Biomarkers of Healthy Aging, Resilience, Adversity, and Transitions.
- ❖ It is part of India's Longevity India Program to study aging.
- ❖ The goal is to find physical, molecular, and environmental signs that affect ageing in Indians.
- ❖ The Researchers are creating India's first detailed aging database called Bharat Baseline.
- ❖ Biomarkers are measurable biological signs, like genes, proteins, and chemicals in the body.
- ❖ This study will help to challenge Western standards that label many Indians as deficient in vitamin D, B12, or cholesterol.
- ❖ The database will help improve disease diagnosis, treatment, and drug design tailored to Indians.



ENVIRONMENT NEWS

Disaster Alerts Test

- ❖ The Department of Telecommunications (DoT) and the National Disaster Management Authority (NDMA) work to improve disaster alerts in India.
- ❖ They use an Integrated Alert System called SACHET to send disaster messages.
- ❖ SACHET sends alerts as SMS to people in specific areas during emergencies.
- ❖ The system uses the Common Alerting Protocol (CAP), recommended by the International Telecommunication Union (ITU).
- ❖ To improve alerts, the Cell Broadcast (CB) technology is being tested for faster messages.
- ❖ The CB sends alerts to all phones in an affected area quickly during events like earthquakes or tsunamis.



REPORTS AND INDICES

Nutrition Survey Report

Intake of	per capita per day				per consumer unit* per day			
	2022-23		2023-24		2022-23		2023-24	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Calorie (Kcal)	2233	2250	2212	2240	2407	2488	2383	2472
Protein (gm)	61.9	63.2	61.8	63.4	66.7	69.9	66.6	69.9
Fat (gm)	59.7	70.5	60.4	69.8	64.4	78.0	65.1	77.0

*Consumer unit is a unit used to measure the energy requirement of a group of persons of different sectors, gender and age-groups

- ❖ The Household Consumption Expenditure Survey (HCES) 2022-23 and 2023-24 collected food intake data across India.
- ❖ The report shows the average calorie, protein, and fat intake per person and per consumer unit in rural and urban areas.
- ❖ Rural India's average daily calorie intake was 2233 Kcal in 2022-23 and 2212 Kcal in 2023-24.

- ❖ Urban India's average daily calorie intake was 2250 Kcal in 2022-23 and 2240 Kcal in 2023-24.
- ❖ Calorie intake increased for the lowest five groups in rural areas and the lowest six groups in urban areas from 2022-23 to 2023-24.
- ❖ There are big differences in calorie intake among major states in both years.
- ❖ With higher Monthly Per Capita Consumption Expenditure (MPCE), calorie intake also rises in rural and urban India.
- ❖ The National Statistics Office (NSO) released this report to help policymakers and researchers understand nutrition better.

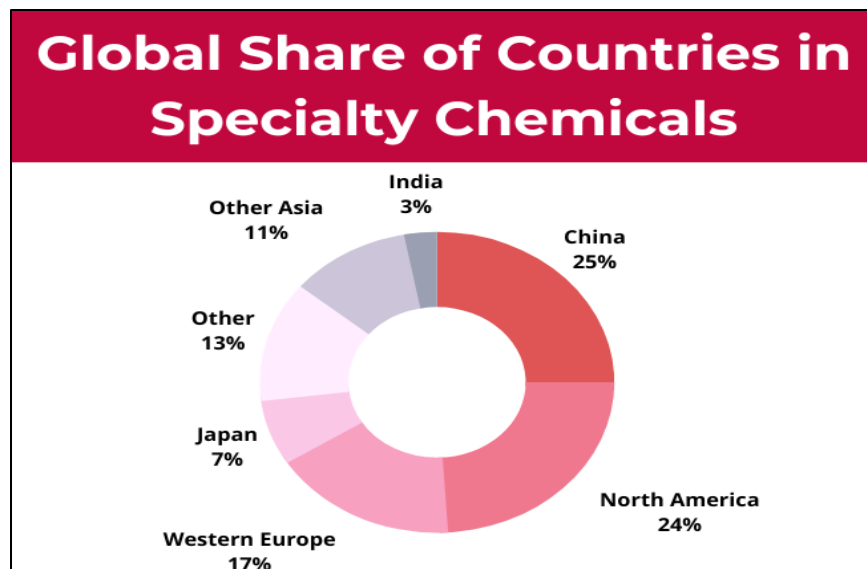
WHO Report on Loneliness

- ❖ The WHO Commission on Social Connection has released a report titled, 'From loneliness to social connection: charting a path to healthier societies.'
- ❖ One in six people globally experienced loneliness between 2014 and 2023, according to the World Health Organisation (WHO).
- ❖ Loneliness is linked to 871,000 deaths annually—about 100 every hour.
- ❖ Young people (13–29) and those in low-income nations are most affected.
- ❖ Health risks include heart disease, stroke, depression, anxiety, and early death.
- ❖ Social connection reduces illness risk, improves mental health, and increases lifespan.
- ❖ It causes include poor health, low income, living alone, and excessive screen time.
- ❖ The report calls for policy change, public awareness, better data, and community design.
- ❖ Safe public spaces and local activities can help reduce social isolation.



NITI Aayog Report on Chemicals

- ❖ The NITI Aayog has released a report titled "Chemical Industry: Powering India's Participation in Global Value Chains".
- ❖ India's chemical sector is large but fragmented, with infrastructure and many regulatory challenges.
- ❖ India holds only a 3.5% share in global chemical value chains.
- ❖ India faced a chemical trade deficit of USD 31 billion in 2023 due to its import dependence.
- ❖ The report suggests reforms in fiscal and non-fiscal areas to boost the sector.
- ❖ With reforms, India can grow to a USD 1 trillion chemical sector by 2040.
- ❖ India aims for a 12% share in global value chains (GVC) by 2040 and to become a global chemical powerhouse.



STATES' NEWS

Stock Market investors from Gujarat

- ❖ Gujarat became the third state in India to have more than one crore registered stock market investors.
- ❖ National Stock Exchange (NSE) data shows Gujarat joins Maharashtra and Uttar Pradesh in crossing one crore investors.
- ❖ These three states hold 36% of India's total investor base.
- ❖ India has nearly 11.5 crore registered investors as of May 2025.
- ❖ North India leads with 4.2 crore investors; West India has 3.5 crore investors.



- ❖ South India has 2.4 crore investors, and East India accounts for 1.4 crore investors.
- ❖ South India grew by 22%, and West India by 17% over the last year.

TOP FIVE STATES	
Name	Registered Users (In lakh)
M'rashttra	182
Gujarat	99
UP	70
Karnataka	51
Tamil Nadu	49

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