



21 Sep 2024

National and International News

<p>International Coastal Clean-up Day</p>	<p>Context:</p> <ul style="list-style-type: none">● International Coastal Clean-up Day (ICCD): Observed every year on the third Saturday of September to inspire beach clean-up efforts and raise awareness about ocean preservation. <p>Event Details (2024):</p> <ul style="list-style-type: none">● Union Minister for Environment, Forest, and Climate Change, Sh. Bhupender Yadav, will participate in a Beach Clean-Up Campaign at Juhu Beach, Mumbai on 21 September 2024.● Campaign organized in collaboration with the Ministry of Earth Sciences and State Government.● Beach cleaning to take place at over 100 beaches across coastal States/UTs. <p>Campaign Background:</p> <ul style="list-style-type: none">● Beach Cleaning Drive and campaign #IamSavingMyBeach launched on World Environment Day 2018 with the theme "Beat Plastic."● Regular beach cleaning activities have been conducted since 2018, in collaboration with coastal States/UTs.
<p>Global Cybersecurity Index 2024</p>	<p>Context:</p> <ul style="list-style-type: none">● India attained Tier 1 status in the Global Cybersecurity Index (GCI) 2024(5th Edition), with a score of 98.49/100, published by the International Telecommunication Union (ITU). <p>Key points:</p> <ul style="list-style-type: none">● Role-Modeling Status: India joins the ranks of 'role-modelling' countries for its commitment to global cybersecurity.● Nodal Agency: The Department of Telecommunications (DoT) represented India in the GCI 2024. <p>About:</p> <ul style="list-style-type: none">● The Global Cybersecurity Index (GCI) is a trusted reference that measures the commitment of countries to cybersecurity at a global level – to raise awareness of the importance and different dimensions of the issue. <p>Evaluation Parameters:</p>



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GCI 2024 assessed cybersecurity efforts based on:

- **5 Pillars:**
 - (i) Legal Measures,
 - (ii) Technical Measures,
 - (iii) Organizational Measures,
 - (iv) Capacity Development, and
 - (v) Cooperation – and then aggregated into an overall score.
- **Questionnaire:** 83 questions covering 20 indicators, 64 sub-indicators, and 28 micro-indicators.

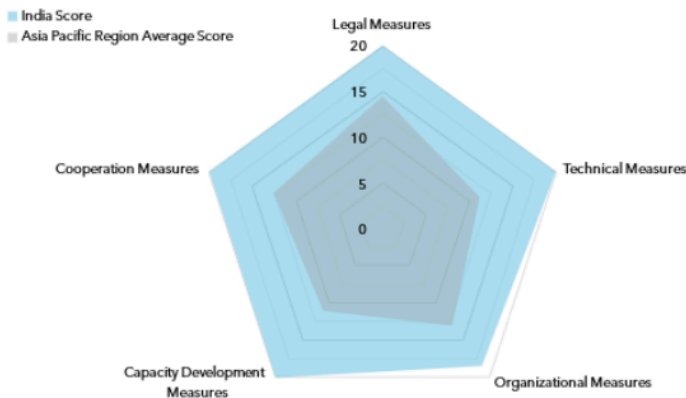
Important Notes:

GCI 2024 uses a **new five-tier analysis**, a shift that allows a greater focus on each country's advances with cybersecurity commitments and resulting impacts.

- Tier 1, the highest of the five tiers, reserved for “**role modelling**” countries
- T2 - **Advancing**
- T3- **Establishing**
- T4- **Evolving**
- T5- **Building**

India

GCI 5th Edition Country Profile



Country Score
out of maximum 20 points per pillar

Legal Measures	Technical Measures	Organization Measures	Capacity Development	Cooperation Measures
20	20	18.49	20	20

*Countries are classified according to www.itu.int

Areas of Relative Strength

Legal Measures
Technical Measures
Capacity Development Measures
Cooperation Measures

Area of Potential Growth

Organizational Measures

Tier Performance

T1: Role-modelling



White Revolution 2.0

Context:

- **White Revolution 2.0** is an initiative launched by the Government of India, led by **Union Home and**



	<p style="text-align: center;">Cooperation Minister Amit Shah.</p> <p>Key points:</p> <ul style="list-style-type: none"> • Objective: Empower women and fight against malnutrition through milk dairies and cooperatives. • Inclusion of Women: Women engaged in milk procurement will be included in formal employment. Payments will be directly deposited into their bank accounts. • Increase in Milk Procurement: Target to increase milk procurement from 660 lakh litres/day to 1,000 lakh litres/day. • Cooperatives Expansion: A joint proposal involving 2 lakh PACS (Primary Agriculture Cooperative Societies), dairy, and fishery cooperatives has been accepted by all States. • Nationwide Coverage: Plan aims to ensure every Panchayat has a PACS, dairy, or fishery cooperative society. • Impact on Women: 36 lakh women in Gujarat are involved in dairy, with a business worth ₹60,000 crore, largely through Amul. • Fight Against Malnutrition: White Revolution 2.0 will help tackle malnutrition, especially benefiting poor and malnourished children. • Land Fertility: Increasing fertility of cultivable land will be addressed through animal husbandry.
<p>Kleptoparasitism</p>	<p>Context:</p> <ul style="list-style-type: none"> • H5N1 virus has caused millions of bird deaths worldwide since 2021. • Kleptoparasitism (food theft) by seabirds like frigatebirds and skuas may be a transmission route for the virus. • The current H5N1 strain 2.3.4.4b has spread rapidly and reached Antarctica in 2024, making it a panzootic. <p>Key points:</p> <ul style="list-style-type: none"> • Panzootic: An outbreak of an infectious disease that spreads through one or several species of animals over a wide geographic area. • Avian influenza: A highly contagious viral infection that occurs naturally in wild aquatic birds and can infect domestic poultry and other bird and animal species. • H5N1: A highly pathogenic strain of avian influenza virus. • Kleptoparasitism: A form of feeding in which one animal takes prey or other food from another that has caught, collected, or otherwise prepared the food.



TRISHNA Mission

Context:

- Philippe Baptiste, President of the French Space Agency (Centre National d'Etudes Spatiales, CNES), discussed the longstanding partnership between India and France in space exploration during the Bengaluru Space Expo 2024.

About:

- The TRISHNA (**Thermal Infra-Red Imaging Satellite for High-resolution Natural Resource Assessment**) mission, a collaborative endeavor between ISRO and CNES.
- Targets climate monitoring, agriculture, drought forecasting, and urban heat island effects.
- Scheduled for launch in **2026**.

Primary Objectives:

- Monitor energy and water budgets of the continental biosphere.
- Quantify terrestrial water stress and water use.
- High-resolution observation of water quality in coastal and inland waters.

Secondary Objectives:

- Assess urban heat islands.
- Detects thermal anomalies linked to volcanic activity and geothermal resources.
- Monitor snow-melt runoff and glacier dynamics.
- Provide data on aerosol optical depth, atmospheric water vapor, and cloud cover.

Payloads:

Thermal Infra-Red (TIR):

- Provided by CNES.
- Four-channel sensor for high-resolution surface temperature and emissivity mapping.

Visible-Near Infra-Red-Short Wave Infra-Red (VNIR-SWIR):

- Developed by ISRO.
- Seven spectral bands for detailed surface reflectance mapping.

Operational Details:

- **Orbit:** Sun-synchronous at 761 km altitude, local time of 12:30 PM at the equator.
- **Spatial Resolution:**
 - 57 meters for land and coastal areas.
 - 1 km for oceanic and polar regions.
 - Designed for a **5-year operational life**.

Global Contributions:



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- Supports initiatives like GEOGLAM for agricultural monitoring.
- Aligns with UN Sustainable Development Goals.
- Outputs will be classified as Essential Agricultural Variables (EAVs) and Essential Climate Variables (ECVs).



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