

**18 April 2024**

## World Cybercrime Index

Russia tops the list in cybercrime, according to research that surveyed cybercrime experts around the world. India is in 10th place on this list.



### Key Points

- ❖ The team of researchers has prepared the World Cyber Crime Index. Nearly 100 countries are ranked according to various categories of cybercrime, including ransomware and credit card theft.
- ❖ India ranks 10th in cybercrime, and Russia tops the list followed by Ukraine
- ❖ The first edition of the World Cyber Crime Index has been published by researchers at the University of Oxford.
- ❖ Ranked 10th in World Cyber Crime Index: India's high ranking in the WCI highlights the significant level of cyber crime threat the country faces.

- ❖ Cybercrime complaints have increased by 200% in 2023, with financial losses reaching ₹168.5 crore.
- ❖ Mumbai, Delhi, and Bengaluru are among the top cities in the world in terms of ransomware detection.
- ❖ The launch of the National Cyber Security Policy by the Government of India and the establishment of the Indian Cyber Crime Coordination Center (I4C) demonstrates its commitment to recognizing the threat of cybercrime and strengthening the country's cyber security posture.

### The rank of various countries in the World Cyber Crime Index 2024 report

1. Russia
2. Ukraine
3. China
4. United States of America
5. Nigeria
6. Romania
7. North Korea
8. United Kingdom
9. Brazil
10. India

### lunar time zone

The White House has directed NASA to establish the first unified standard of time for the Moon and other celestial bodies by the end of 2026.



### Key Point

- ❖ The United States aims to set the international benchmark in space amid a growing lunar race between nations and private companies.
- ❖ NASA will work with other parts of the U.S. government to develop a plan for Coordinated Lunar Time (LTC), a standard time reference for lunar spacecraft and satellites that require precise timing for their missions.
- ❖ The gravitational force of the Moon is less than that of the Earth. Time on the Moon moves 58.7 microseconds faster every day than it does on Earth.
- ❖ An atomic clock on the Moon will run at a different speed than a clock on Earth.

- ❖ To solve this problem, researchers have proposed creating a lunar time zone that would be based on the Moon's day and night cycle.

### About atomic clock –

- ❖ An atomic clock is a clock known for its extraordinary accuracy and works by using the specific resonance frequencies of atoms. Usually cesium or rubidium.
- ❖ In atomic time, one second is defined as the period in which a cesium atom vibrates 9,192,631,770 times.
- ❖ It was invented by Louis Essen in 1955.
- ❖ The extreme precision level of atomic clocks can be explained by the fact that they will lose one second approximately every 100 million years.
- ❖ Currently, atomic clocks in India are operational in Ahmedabad and Faridabad.

### John Dirks Award 2024

Indian researcher Dr. Gagandeep Kang has been awarded the 2024 John Dirks Canada Gairdner Global Health Award for his achievements in global health research.



### Key Points

- ❖ Dr. Gagandeep Kang of India received the 2024 John Dirks Canadian Gardner Global Health Award for his impactful research in children, which has had a significant impact on development and health policy in India and globally.
- ❖ The John Dirks Canada Gairdner Global Health Award recognizes world-leading researchers who have used rational, scientifically based research to improve the well-being of people facing health disparities around the world.
- ❖ Dr. Kang's research group has established substantial community-based birth cohort studies addressing childhood intestinal infections, growth, and development for more than 20 years.
- ❖ His work has generated extensive information on the complex interactions between the

environment and infection in children and the impact of prior infections on responses following vaccination.

### India ranks fourth in the world in digital services exports

The World Trade Organization (WTO) projects a 9% growth in global digital services exports to reach \$4.25 trillion in 2023.



### Key Points

- ❖ India has jumped 17% to fourth place in exports of digital services.
- ❖ India's growth rate was much higher than the 4 percent growth recorded by China and Germany.
- ❖ According to WTO estimates, global exports of digitally delivered services are set to grow to \$4.25 trillion in 2023, up 9 percent year-on-year, accounting for 13.8 percent of world exports of goods and services.
- ❖ Unlike trade in goods, which fell globally and across all regions in 2023, exports of digitally delivered

services continued to grow.

- ❖ The report said exports to Europe and Asia (which hold global shares of 52.4 percent and 23.8 percent respectively) grew by 11 percent and 9 percent.
- ❖ WTO highlights the rapid adoption of AI in digital services, increasing efficiency, innovation, and job creation.

**About World Trade Organization -**

- ❖ The World Trade Organization (WTO) is an international organization whose objective is liberalization of international trade.
- ❖ It was started on the initiative of developed countries to set and establish rules related to trade.
- ❖ Established: 1 January 1995
- ❖ Headquarters: Geneva, Switzerland
- ❖ Director General: Ngozi Okonjo-Iweala

**World's largest renewable energy park**

Adani Group has set up the world's largest renewable energy park with a capacity of 45 GW in the Khavra region of Gujarat.



**Key Points**

- ❖ Adani Group has built the world's largest renewable energy park in Gujarat.
- ❖ The renewable energy arm of port power conglomerate Adani Group aims to have 45 GW of renewable energy capacity by 2030.
- ❖ The company now has an operational portfolio of 10,934 MW, the largest in India. According to a statement from the company, it has commissioned 2,848 MW of renewable capacity in FY24.
- ❖ The outer edge of the energy park is the border with the efficient energy PA of the Pasta Adan Group, the most ambitious by any corporate in the court which is wasting up to 20000 tenant 500 City of Mattiatom non-leased sources.
- ❖ This park is located in a remote desert area of Gujarat bordering Pakistan.

- ❖ It is spread over 538 square kilometers in Khavra, which is almost five times larger than Paris.
- ❖ The park has a huge potential of 45 GW to generate electricity from solar on a large scale.
- ❖ Adani Green Energy Ltd will invest Rs 1.5 lakh crore to generate 30 GW of clean power, with the aim of generating 500 GW of power from non-fossil sources by 2030.
- ❖ This renewable energy park is an important step towards India's commitment to increase the share of installed capacity of electrical energy from non-fossil fuel sources to 40% by 2030.

Hemlata Sharma of Madhya Pradesh honored with International Sahitya Setu 2023

- ❖ Hemlata Sharma 'Bholi Ben', born in the soil of Madhya Pradesh, was honored with the International Sahitya Setu Samman-2023 in a ceremony organized at the House of Commons of the British Parliament in London.



### Key Points

- ❖ Bholi Ben has been given this honor by London's literary organization Katha UK in view of the work he is doing in the field of development of Hindi and Malvi culture and literature.
- ❖ The event was hosted by Virendra Sharma, MP for London Ealing.
- ❖ Sharma said that such programs not only highlight the love of Indians present in Britain for their language and soil but also strengthen mutual relations between different countries of the world through literature and culture.
- ❖ Madhya Pradesh Culture Department Minister Usha Thakur and Madhya Pradesh Finance Minister Jagdish Deora expressed happiness over this honor received by Hemlata Sharma of Madhya Pradesh and sent a congratulatory message to Agar's daughter on this achievement.

- ❖ Hemlata Sharma, daughter of Agar resident Krishna Sharma and younger sister of SarvaBrahmin Parshuram Sena chief Sanjay Sharma, is currently posted as Finance Service Officer in Indore.
- ❖ Indian High Commission Minister Coordination Deepak Choudhary, London Counselor and expatriate

litterateur Zakia Zubairi, Founder General Secretary of Katha UK Tejendra Sharma, Hindi Academy Mumbai President Pramod Pandey, Punjabi writer and counselor KC Mohan and expatriate litterateur Jaya Verma, etc. were present in this programme. He was presented with Bholi Ben's Malvi book 'Aaj Ko Gyan'

**Important Daily Current Affairs Questions;**

1. Which of the following organizations has published the World Cyber Crime Index 2024?  
(a) world trade organization  
(b) University of Oxford  
(c) Microsoft  
(d) none of the above

Answer- (b)

2. Who among the following is the first Indian woman to receive the John Dirks Award?  
(a) Dr. Gagandeep Kang  
(b) Dr. Hansa Sharma  
(c) Dr. Purnima Mahato  
(d) None of the above

Answer- (a)

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