

## NATIONAL

### 1. Kavach

**Why in news** - Discussions around “Kavach” have taken center stage after the train accident in Balasore, Odisha which killed 288 people.

#### Key Points –

- It is India’s own automatic protection system under the name Train Collision Avoidance System (TCAS), which got rechristened to Kavach or “armour”.
- It was in development since 2012.
- Successful implementation of Kavach was showcased on South Central Railway in March 2022.

#### How Kavach works –

- It is a set of electronic devices and Radio Frequency Identification devices installed in locomotives, in the signalling system as well the tracks.
- Devices talk to each other using ultra high radio frequencies to control the brakes of trains and also alert drivers.
- It is able to send out triggers when a loco pilot jumps signal, called Signal Passed at Danger (SPAD) which is key to accidents like collision.
- It useful for loco pilots in low visibility, especially during dense fog.
- It continuously updates the train’s movement authority and can automatically sound the whistle at level crossing gates.

#### About Kavach –

- Developed by - Research Designs and Standards Organisation (RDSO), Lucknow.
- It adheres to the highest level of safety and reliability standard called Safety Integrity Level 4.

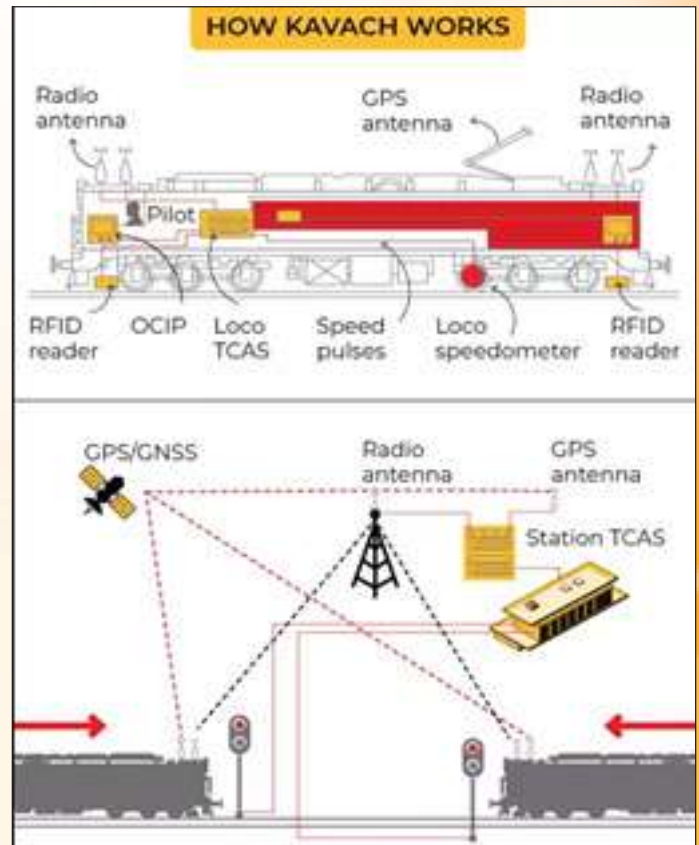
#### Value Addition –

- Currently, deployed on over 1,098 km and 65 locomotives in South Central Railway. In future to be implemented on 3000 km of the Delhi-Mumbai and Delhi-Howrah corridors.
- Major automatic train protection systems around the world –

### TRAIN PROTECTION SYSTEMS

### COUNTRY/CONTINENT

European Train Control System (ETCS)	Europe
Positive Train Control (PTC)	United States
Train Protection and Warning System (TPWS)	United Kingdom
Centralised Traffic Control (CTC)	North America
Advanced Train Control System (ATCS)	Italy



## INTERNATIONAL

### 1. Malligyong-1 satellite

**Why in news** - North Korea’s first spy satellite (Malligyong-1) launch ends in failure, crashed into sea.

**Key Points –**

- Crashed North Korean rocket was found near the island of Eocheongdo in in the Yellow Sea.

**2. Ama Ata Aidoo**

**Why in news** - Ghanaian writer and feminist Ama Ata Aidoo died at 81.

**Key Points –**

- Her 1st work - The Dilemma of a Ghost (1965).
- She won the Commonwealth Writers Prize for Best Book for Changes.



**ECONOMY**

**1. Penalty on Indian Overseas Bank**

**Why in news** - RBI has imposed a monetary penalty of Rs 2.20 crore on Indian Overseas Bank (IOB) for rule violations.

**Key Points –**

- Reason - for non-compliance with income recognition and certain regulatory rules.
- It was done under Statutory Review for the Supervisory Rating of the Bank.
- IOB hq – Chennai.

**2. Dubai FDI Monitor**

**Why in news** - According to the Dubai FDI Monitor, Dubai ranked No. 1 as the Destination City for foreign direct investment (FDI) from India in 2022.

**Key Points –**

- Top 5 FDI source – USA (20%), UK (13%), India (12%), France (5%) and Switzerland (4%).
- FDI from India stood at \$545.52 million in 2022

**SECURITY**

**1. Arctic exercises**

**Why in news** - NATO countries have started Arctic military exercises to defend their newest member, Finland.

**Key Points –**

- Venue - Rovajarvi, northern Finland.
- Finland formally joined NATO on April 4, 2023.
- The addition of Finland doubles the length of the border NATO shares with Russia
- Sweden hopes to be a member by the time of NATO's summit in Vilnius in July 2023.
- NATO Secretary-General Jens Stoltenberg.



**IMPORTANT DAYS**

**1. World Environment Day 2023**

**Why in news** – It is celebrated on June 5.

**Key Points –**

- Host country 2023 - Côte d'Ivoire (in partnership with the Netherlands).
- Theme - "Solutions to plastic pollution".
- Côte d'Ivoire city of Abidjan has become a hub for eco-conscious startups.
- By - United Nations Environment Programme (UNEP).



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## Value Addition –

- First World Environment Day – 1973, theme “Only One Earth”.
- It was established in 1972 by the United Nations at the Stockholm Conference on the Human Environment.

## APPOINTMENTS

### 1. Celeste Saulo

**Why in news** - Celeste Saulo has been appointed as the first female Secretary-General of the World Meteorological Organisation (WMO).

#### Key Points –

- She would assume office on January 1, 2024 and succeeded Petteri Taalas.
- She is currently the First Vice-President of WMO.

- Next WMO President - Dr Abdulla Al Mandous (UAE).

### About WMO (1950) –

- Specialized agency of the United Nations (UN).
- Headquarters - Geneva, Switzerland.
- India is a member of WMO.
- Major Programs - World Weather Watch, World Climate Program, Atmospheric Research and Environment Program.
- Reports - State of Climate report, Greenhouse Gas Bulletin etc.

### 2. Dennis Francis

**Why in news** - Dennis Francis elected as the new president of 78th UN General Assembly.

#### Key Points –

- He is from the Republic of Trinidad and Tobago.
- Current UNGA President - Csaba Korosi.





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## ➤ CURRENT AFFAIRS ONE LINERS ◀

- Who won the Emerging Player of the Season award in IPL 2023 - **Yashasvi Jaiswal.**
- 8th International Convention of the Society for the Promotion of Indian Classical Music among Youth -SPIC MACAY was inaugurated was inaugurated in which city – **Nagpur.**
- Where have the signs of pre-Mauryan era been found from the latest excavation - **Old fort of Delhi.**
- Which film won the title of "Palme d'Or" at Cannes Film Festival 2023 - **Anatomy of a Fall.**
- India and which country have agreed to create opportunities for lifelong learning – **Singapore.**
- Till which year the Atal Bhujal Yojana has been extended – **2027.**
- Who has been elected as the third Vice President of the Meteorological Organization (WMO) - **Mrityunjay Mohapatra.**
- Who has been elected as the new President of Latvia recently - **Edgars Rinkevics.**
- India will import 10,000 MW of electricity from the neighboring country – **Nepal.**
- Which country has recently become a member of CLN (Centralized Laboratory Network) for testing vaccines – **India.**