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Telangana State Regional News

Vrithi Agarwal bagged a bronze medal in National Games



National Games



In News:

- Telangana has won the **12th medal in the National Games held in Goa.**

Key Points:

- **Vrithi Agarwal bagged a bronze medal in the women's swimming 200m butterfly event,**
- It is her third medal of the Games.
- Overall, **Telangana is ranked 22nd with 12 medals including 2 gold, 3 silver and 7 bronze.**

About National games:

- The National Games of India is a multi-sport event **held every two years, except in years when the Olympics and Asian Games are held.**
- Athletes from the various states and Union Territories of India compete for medals in a variety of sports, including both Olympic and indigenous sports.
- **The first National Games were held in Lahore, undivided India, in 1924.**
- The Games were **originally known as the Indian Olympic Games, but they were renamed the National Games in 1940.**
- **The 37th National Games are scheduled to be held in Goa in 2023.**

Only 1% of railway network covered by Kavach in India

In News:

- The train accident has put the spotlight back on the **railway's Kavach system** that has so far been implemented in only a **little over 1% of the railway network** of India.

Key Points:

- Nearly 1.3 lakh route kilometers (rkm) covered by the Indian Railway map, Kavach is in place only on **1,465 rkm** that falls under the South Central Railway zone and 121 locomotives.
- The coverage includes Telangana (684 rkm), Andhra Pradesh (66 rkm), Karnataka (117 rkm) and Maharashtra (598 rkm).



### About Kavach system



### Key Points:

- KAVACH, which stands for "**Kavach Automatic Train Protection System**," is an **indigenously developed** automatic train protection (ATP) system by Indian Railways through Research Designs & Standards Organisation (RDSO).
- It is a state-of-the-art electronic system with **Safety Integrity Level-4 (SIL-4)** standards, which is the highest level of safety for safety-related systems.
- KAVACH is **designed to prevent train accidents caused by human error**, such as signal passing at danger (SPAD) and overspeeding.
- It uses a combination of onboard and trackside equipment to monitor the train's position and speed, and to automatically apply the brakes if necessary.
- The onboard equipment includes a computer, a GPS receiver, and a radio transceiver.
- The trackside equipment includes balises (electronic tags) and radio antennas.

### National Unity Day



### About National Unity Day:

- National Unity Day (Rashtriya Ekta Diwas) is **celebrated on October 31st** every year in India.
- It is celebrated to **commemorate the birth anniversary of Sardar Vallabhbhai Patel**.
- Patel is **known as the "Iron Man of India"** for his efforts in unifying the country after independence.
- Sardar Vallabhbhai Patel was the **first Home Minister** of India and played a **pivotal role in the integration of over 550 princely states into the Indian Union**.

### Hyderabad-based NideliFree to launch oral insulin soon



### In News:

- Hyderabad's **NideliFree Technologies** introduced needle-free oral insulin for painless diabetic administration.
- Innovative insulin form eliminates the need for needles in diabetes management.

### Key points:

- '**Ozulin**' offers a convenient alternative to injectable insulin for diabetes management.
- The company aims to launch this oral spray product globally by 2025-26, benefiting the diabetic population.

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