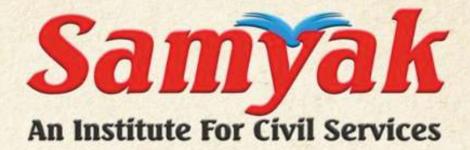
THINK IAS JOIN SAMYAK



# DAILY CURRENT OUT

10 September 2024

© 9875170111

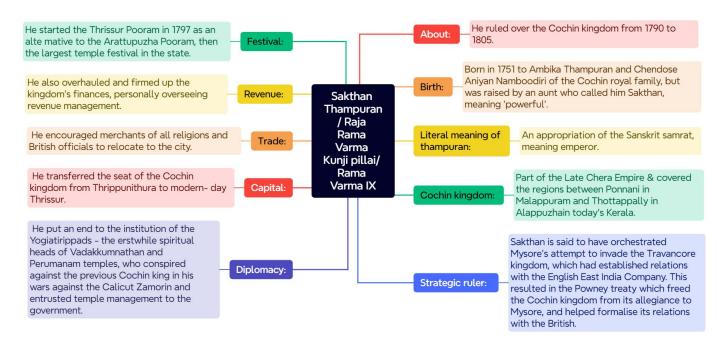
**SAMYAK IAS, NEAR RIDDHI-SIDDHI, JAIPUR** 

#### **Art and Culture**

# 1. Sakthan Thampuran And His ImportanceTo Thrissur - Indian Express

#### Context >>

Minister of State for Tourism and Thrissur recently pledged to replace a statue of Sakthan Thampuran that was knocked over by a state transport bus in June by a new bronze statue if the Kerala government did not do so within 14 days.



#### Geography

#### 2. Poltava - Indian Express

- About: A city in east-central Ukraine located 300 kilometres (189 miles) east of Kyiv, the capital of Ukraine along the Vorskla River.
- Battle of Poltava: In 1709, Peter I the Great inflicted a crushing defeat on Charles XII of Sweden outside Poltava after Charles had laid siege to the town for three months in the Great Northern War. The battle ended with Sweden becoming a major power and marked the beginning of Russian supremacy in eastern Europe.
- **Livelihood:** A fertile agricultural region and has a range of industries processing farm produce.

## RUSSIA-UKRAINE WAR Over 40 killed in Russian strike on Poltava Two Russian ballistic missiles struck an educational facility and hospital in central

Two Russian ballistic missiles struck an educational facility and hospital in central Ukrainė's Poltava city, killing at least 41 people and injuring another 180, Ukrainian President Volodymyr Zelenskyy says.

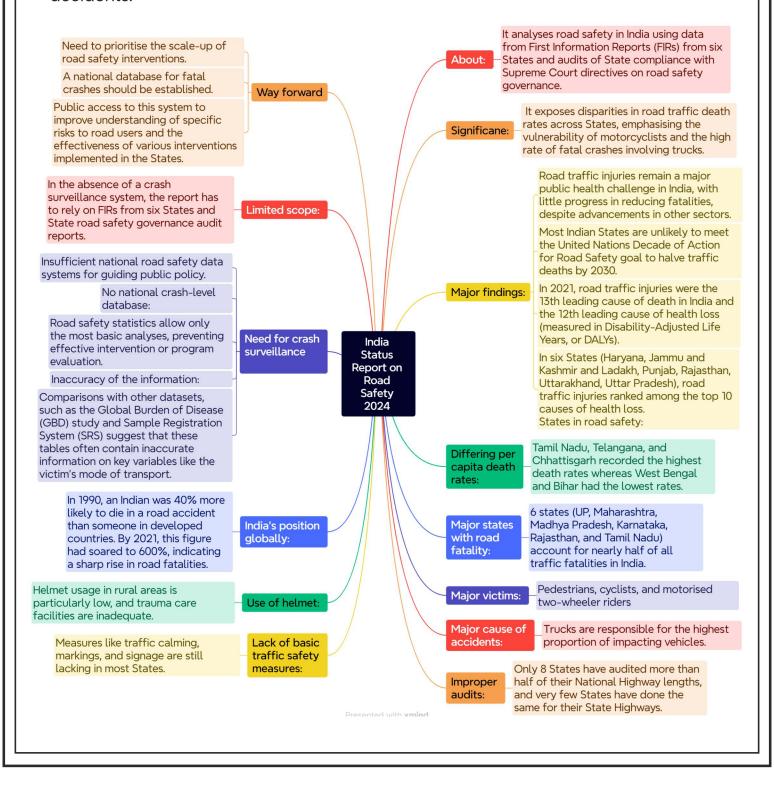


#### Society

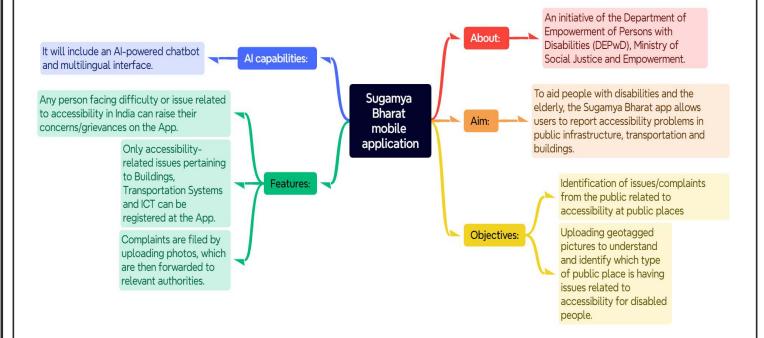
#### 3. On the challenges to road safety in India - The Hindu

#### Context >>

The "India Status Report on Road Safety 2024," prepared by the TRIP Centre at IIT Delhi, not only highlights India's slow progress toward meeting international goals of reducing road accident fatalities, but also emphasises the organic connection between road construction, mobility, and the need for a differentiated approach to mitigate road accidents.



#### 4. Sugamya Bharat mobile application - The Hindu



#### **World Affairs**

#### 5. Nuclear to LNG, India & UAE ink 4 key pacts to expand energy ties - Indian Express

#### Context >>

India and the United Arab Emirates recently signed four pacts to expand energy cooperation as Indian Prime Minister held bilateral talks with the visiting Abu Dhabi Crown Prince Sheikh Khaled bin Mohamed bin Zayed Al Nahyan.

#### **Agreements**

- 2 agreements for long-term LNG supply: Signed between Abu Dhabi National Oil Company (ADNOC) and IOC Ltd & between ADNOC and India Strategic Petroleum Reserve Ltd (ISPRL).
- Agreement on nuclear energy: Emirates Nuclear Energy Company (ENEC) and Nuclear Power Corporation of India Ltd (NPCIL) also inked an MoU for operation and maintenance of Barakah Nuclear Power Plant.
- Production concession agreement: Signed for Abu Dhabi Onshore Block 1 between Urja Bharat and ADNOC.
- **Agreement on food parks:** A separate pact was inked between the Gujarat government and Abu Dhabi Developmental Holding Company PJSC on setting up food parks in India.

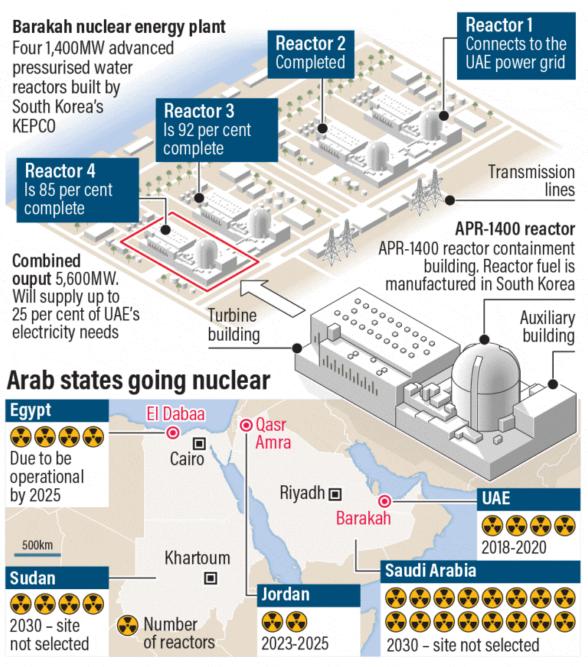
#### 6. Oil-rich UAE completes Arab world's first nuclear plant - Indian Express

#### Context >>

The United Arab Emirates has successfully completed the Arab world's first nuclear power plant, the Barakah Nuclear Energy Plant, the state-owned Emirates Nuclear Energy Corporation (ENEC) said in a statement.

Barakah Nuclear Energy Plant

## ARAB WORLD'S FIRST NUCLEAR PLANT



Sources: ENEC, Institute for Policy and Strategy, World Nuclear Association, Graphic News

- **Location:** Al Dhafra within the Emirate of Abu Dhabi. UAE, on the Arabian Gulf, about 53 km westsouthwest of the city of Ruwais.
- Construction: Started in July 2012 & started operations in 2020.
- Components: 4 nuclear reactors which once fully operational will prevent the release of up to 21 million tonnes of carbon emissions every year.
- Capacity: It will produce 40 terawatt-hours (TWh) of electricity annually.
- Significance: Can provide up to 25% of the electricity needs of the UAE.



#### **Economy**

#### 7. GoM to decide on tax on health, life covers soon - The Hindu

#### Context >>

To soothe the growing clamour for a reduction in the 18% tax levy on the premium paid for health and life insurance policies, the GST Council recently set the stage for a possible rethink by mandating a stiff 50day deadline for a new Group of Ministers (GoM) to review the tax rate.

#### On the table

The GST Council meeting on Monday took decisions on a host of pending issues



#### Health and **Ufe Insurance** premiums:

50-day deadline for a new Group of Ministers (GoM) to go into demand for a reduction in the 18% levy

to discuss its broader mandate **GST Compensation Cess:** 

September 23

#### A new

Rationalising

Panel to meet on

**GST rates and slabs:** 



ministerial group is being formed to

deliberate on the future of the levy on a few select items. including automobiles and demerit goods.

#### **UPS AND DOWNS**

-

**Real estate** 

been asked

to examine

the issue of

factoring in

the cost of

land while

assessing

the value of

services in

transactions

property

issues:

GoM has





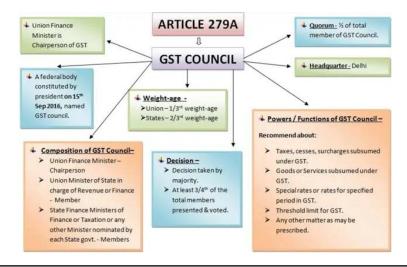


Levy on car seat covers up from 18% to 28%

Tax on some extruded savoury snacks go down from 18% <sub>Խ</sub> 12%



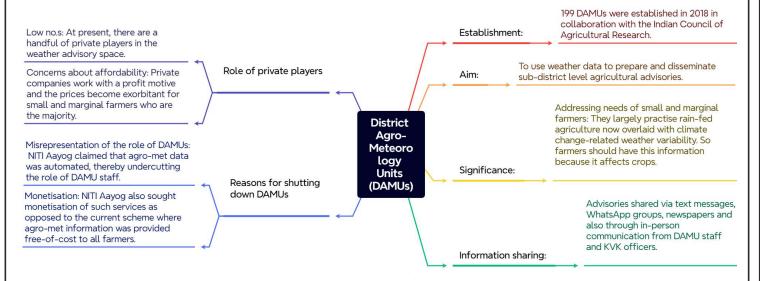
#### **GST Council** >>



#### 8.The role of district agro-met offices in supporting farmers - The Hindu

#### Context >>

India Meteorological Department (IMD) is planning to revive District Agro-Meteorology Units (DAMUs) under the Gramin Krishi Mausam Sewa (GKMS) scheme.



#### **Environment**

#### 9. Critically endangered elongated tortoise spotted in Aravallis for first time - Indian Express

#### Context >>

A critically endangered species, the elongated tortoise (Indotestudo elongata), was spotted in Haryana's Damdama area during a research survey in the Aravallis.

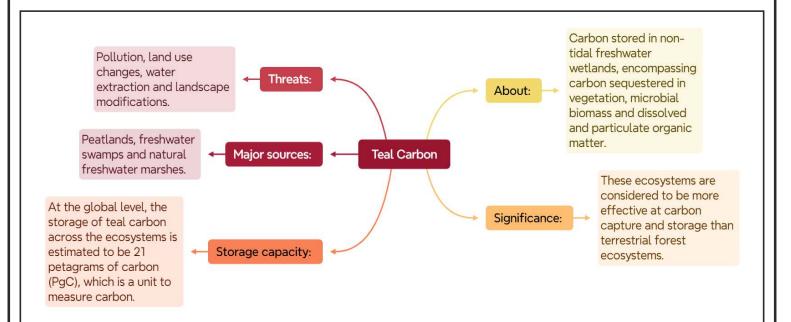
#### Elongated tortoise/Sal Forest Tortoise

- Scientific name: Indotestudo elongata
- **Habitat:** Eastern, northern India and Southeast Asia.
- IUCN Red List Status: Critically Endangered.
- CITES: Appendix II
- Wildlife (Protection) Act of 1972: Schedule IV
- Threats: Hunted for food, local use and international wildlife trade.

10. India's first 'teal carbon' study bets on wetlands to address the challenges of climate adaptation and resilience - The Hindu

#### Context >>

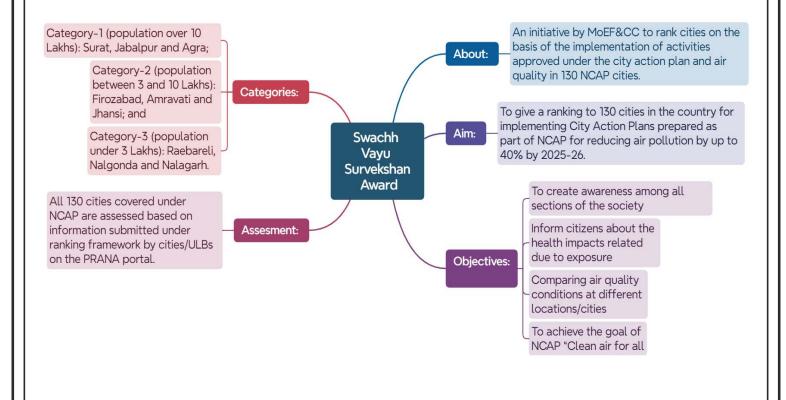
India's first study on 'teal carbon', undertaken at Keoladeo National Park (KNP) in Rajasthan's Bharatpur district, has highlighted the significance of wetland conservation to address the challenges of climate adaptation and resilience. The pilot project sought to develop holistic nature-based solutions to address climate change.



#### 11. Swachh Vayu Survekshan Award, 2024 - PIB

#### Context >>

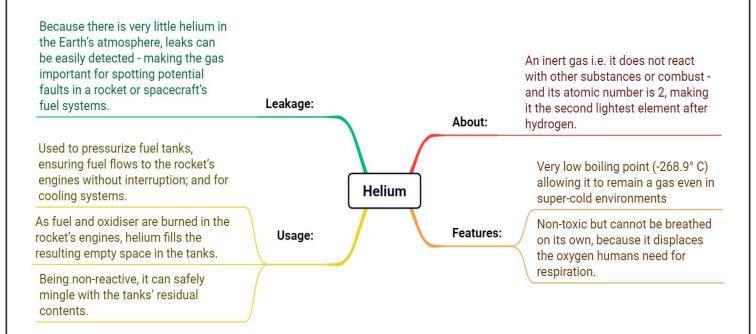
The International Day of Clean Air for Blue Skies (Swachh Vayu Diwas) was observed on 07.09.24 at Jaipur. Swachh Vayu Survekshan Awards were presented to the best performing cities.



#### Sci. and Tech.

#### 12. Why do rockets require helium? - The Hindu

Two NASA astronauts aboard Boeing's Starliner will stay on the International Space Station for months because of a faulty propulsion system whose problems included helium leaks. Back on Earth, SpaceX's Polaris Dawn mission has been delayed because of helium issues on ground equipment.



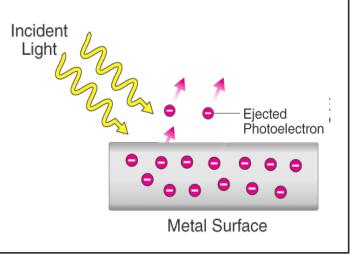
#### 13. Superfast studies of photoelectric effect reveal the secrets of matter - The Hindu

#### Context >>

In the early 20th century, physicists found that when a metal is irradiated with light, it emits some electrons. Curiously they found the emitted electrons' kinetic energy depended on the incoming rays' frequency, not intensity.

#### **Photoelectric effect**

- Meaning: The phenomenon of emission of electrons from the surface of the metal when the light of suitable frequency falls on it.
- Photoelectrons: Ejected electrons
- **Photocurrent:** The current produced due to emitted electrons (Photoelectrons).
- **Discovery:** Hallwach is credited with discovery of the photoelectric effect.



#### 14.Kawasaki disease/ Kawasaki syndrome/ Mucocutaneous lymph node syndrome - The Hindu

 About: A rare disease that causes fever and inflammation of the blood vessels, mainly in children under 5 years of age & is one of the most common forms of acquired heart disease in children.

#### • Impact:

- The condition causes the immune system to attack blood vessels, which become inflamed and swollen.
- It tends to affect the coronary arteries, which carry blood to the heart muscle.

# An inflammatory syndrome in children that resembles Kawasaki disease may be linked to COVID-19. UK pediatricians released a working definition that includes: Persistent fever Exclusion of any other microbial cause Organ dysfunction with additional features Organ dysfunction with additional features SARS-CoV-2 polymerase chain reaction (PCR) test result

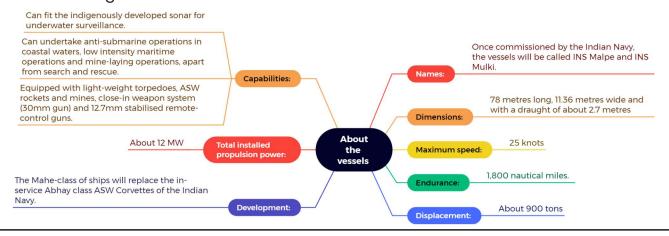
- It can also cause problems with lymph nodes, skin and the lining of a child's mouth, nose and throat.
- **Symptoms:** Fever, rash, swelling of the hands and feet, irritation and redness of the whites of the eyes, swollen lymph glands in the neck, and irritation and inflammation of the mouth, lips, and throat.
- Discovery: First discovered in Japan by Tomisaku Kawasaki in 1967
- First case outside Japan: Hawaii in 1976.
- Cause: The cause is unknown, although more cases happen in late winter and early spring.

#### Defence

# 15.Two anti-submarine warfare vessels for the Indian Navy launched at Cochin Shipyard - The Hindu

#### Context >>

Two anti-submarine warfare shallow watercrafts vessels (ASWCWC) of the Indian Navy were launched at Cochin Shipyard recently. The vessels are the fourth and fifth ships in the series of eight such watercraft.



#### 16. FATH-360 Missiles - Indian Express

#### Context >>

As per a report, Iran has delivered short-range ballistic missiles, including the Fath-360, to Russia.



#### Fath-360/Fateh-360 Missile



# 17.India's Military diplomacy in top gear with back-to-back exercises for three Services - The Hindu

#### Context >>

India-U.S. Army exercise Yudh Abhyas is set to begin on September 9; multilateral air exercise Tarang Shakti is in progress, while exercise Malabar is scheduled next month.

#### **Yudh Abhyas Tarang Shakti Exercise Malabar** Maiden edition: 1992 as a **About:** A joint military exercise About: The largest conducted annually between India and bilateral naval exercise international air exercise USA. ever conducted in India. between India and US Maiden edition: 2004. with invitations navy. Aim: To promote cooperation between Indian side: extended to 51 countries. The first Malabar Exercise in the Bay the two militaries while sharing training, Aim: To strengthen cultural exchanges and building joint strategic relations with of Bengal took place in operating skills. our friends from the 2007. 2023 edition: Other participants: Japan Conducted at Fort international Wainwright, Alaska, USA. joined it in 2015 whereas in community. Phase one: Conducted Yudh Abhyas 2024: 20th edition 2020, the Australian Navy it. Location: Mahajan Field Firing Range in at Sulur in Tamil Nadu. Aim: To coordinate for a Rajasthan Phase two: Held at free, open, and inclusive Features: A range of advanced military Jodhpur in Rajasthan Indo-Pacific. tactics and coordinated manoeuvres from September 1 to 14 Frequency: Annually in the aimed at improving the readiness of with participation from Indian Ocean and Pacific both armies in high-stakes scenarios. Australia, Bangladesh, Oceans alternatively. Greece, Si ngapore, UAE **US contingent:** Around 600 personnel & Malabar 2024: 28th U.S. Army is also set to deploy Stryker and the USA with their Malabar naval exercise infantry vehicles and the M142 HIMARS assets. (High Mobility Artillery Rocket System).