
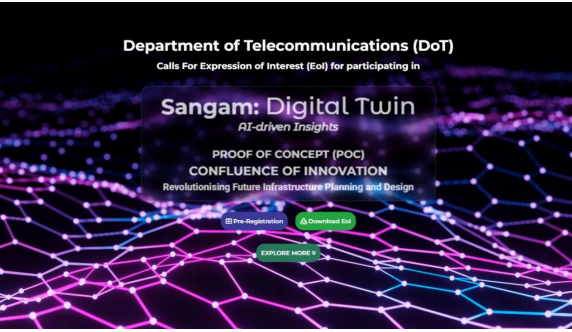




16 February 2024

National and International New

<p>Replica of Mohammad Quli Qutb Shah's tomb</p> 	<p>Context:</p> <ul style="list-style-type: none"> Recently, a digital replica of Mohammad Quli Qutb Shah's tomb was revealed by the reality technology company Hexagon in Hyderabad. <p>Background:</p> <ul style="list-style-type: none"> Mohammad Quli Qutb Shah was the fifth sultan of the Qutb Shahi dynasty of Golkonda, known for founding the city of Hyderabad and constructing its iconic landmark, the Charminar. His reign is celebrated for its administrative prowess and cultural achievements. He was also a prolific Urdu poet, composing verses in the Persian diwan style. His rule coincided with the times of Akbar the Great, Jagat Guru, and Ibrahim Adil Shah. <p>About:</p> <ul style="list-style-type: none"> Qutb Shah's tomb, located in Ibrahim Bagh, Hyderabad, is an architectural marvel blending Persian, Hindu, and Pathani styles. The digital twin technology used to create this replica offers a digital representation of a physical object, person, or process, providing insights for better decision-making.
<p>Digital Twin:Sangham</p>  <p>Digital Twin Technology Definition: Digital Twins are detailed and dynamic virtual models that replicate the</p>	<p>Context:</p> <ul style="list-style-type: none"> The Department of Telecommunications (DoT) has launched the 'Sangam: Digital Twin' initiative, aiming to utilize Digital Twin technology for innovative infrastructure planning and design. <p>Objective:</p> <ul style="list-style-type: none"> The 'Sangam: Digital Twin' initiative aims to leverage Digital Twin technology to create virtual replicas of physical assets, enabling real-time monitoring, simulation, and analysis. <p>Stages:</p> <ul style="list-style-type: none"> It consists of two phases: an Exploratory phase for creative exploration and horizon clarity, followed by a practical demonstration stage focusing on



Daily Current Affairs Encyclopedia

behavior and performance of real-world assets in real-time.

Components: They consist of **physical assets, virtual models, sensors/IoT devices for data collection**, and data analytics/machine learning for insights and decision-making.

Benefits: Digital Twins enable organizations to **optimize operations, predict maintenance needs, and drive innovation by analyzing real-time data and integrating various data sources.**

specific use cases for future scalability and replication.

Technological Integration:

- The initiative integrates advanced technologies like **5G, IoT, AI, AR/VR, AI-native 6G**, and next-gen computational technologies to foster collaboration and innovation in infrastructure planning.

Baltic Sea



Context:

A Stone Age wall discovered beneath the Baltic Sea in Germany is believed to be Europe's oldest megastructure built by humans.

About:

- The Baltic Sea is a **semi-enclosed inland sea in Northern Europe**, extending from **southern Denmark almost to the Arctic Circle**.
- It has an approximately **8,000 km coastline shared by countries such as Sweden, Poland, and Russia**, covering an area of about 377,000 sq.km.
- With major gulfs like the **Gulf of Bothnia** and the **Gulf of Finland**, it's known for its low water salinity due to **inflowing fresh water and shallowness**.
- The sea is fed by **over 250 rivers and streams**, with the **Neva being the largest**.
- It boasts more than 20 islands and archipelagos, with Gotland as the largest.

Electoral Bonds Scheme

Context:

- Recently, the **Supreme Court directed the SBI to stop issuing these bonds immediately**.
- Electoral Bonds (EBs) are **interest-free bearer bonds or money instruments** available for purchase by companies and individuals in India from authorized branches of the **State Bank of India (SBI)**.

About:

- EBs can be bought in **denominations of Rs 1,000, Rs 10,000, Rs 1 lakh, Rs 10 lakh, and Rs 1 crore**, similar to banknotes, and are payable to the bearer on demand without interest.
- They are purchased through a KYC-compliant




Daily Current Affairs Encyclopedia

	<p>account and can be used for making donations to political parties.</p> <ul style="list-style-type: none"> • EBs have a short lifespan of 15 days for making donations. • The donor's name and information are not mentioned on the bond, making them anonymous. • There is no limit on the number of EBs a person or company can purchase. • Donations made through EBs are tax-exempt under Section 80 GG and Section 80 GGB of the Income Tax Act. • Only political parties registered under Section 29A of the Representation of the People Act, 1951, and which secured not less than 1% of votes in the last general election, are eligible to receive EBs. • Political parties must encash the bonds within a specified period through a designated bank account and disclose the amount to the Election Commission.
<p>Forest Dwellers' Rights in Tamil Nadu</p>	<p>Context:</p> <ul style="list-style-type: none"> • Tamil Nadu has been slow in implementing the Forest Rights Act (FRA) compared to other states in India, particularly evident in the Thanthai Periyar Sanctuary notification in Erode district. • This notification raised concerns among forest-dwellers about potential denial of their rights under the FRA. <p>Key points:</p> <ul style="list-style-type: none"> • Forest villages are settlements within forest areas inhabited by tribal or indigenous communities. • In 1990, the Union Ministry of Environment and Forests (MoEF) mandated the conversion of forest villages into revenue villages, a process also reinforced by the Forest Rights Act (FRA) of 2006. • The recent sanctuary notification acknowledges that rights granted under the Tamil Nadu Forest Act of 1882 and the FRA will be preserved, but Tamil Nadu has been slow in implementing the FRA compared to other states in India. <p>Read more about the rights of forest dwellers of tis region.</p>



Kerala Regional News

<p>Art & gender fest begins tomorrow</p>	<p>Context:</p> <ul style="list-style-type: none"> • Art and gender festival ‘gFest Kochi’ will be held at Kerala Museum, Edapally, from Feb 17 to May 5. • The fest is organized by reFrame Institute of Art & Expression in collaboration with Kerala Museum Madhavan Nayar Foundation and outreach partner, raising our voices (ROV). <p>Key Highlights:</p> <ol style="list-style-type: none"> 1. Exquisite Artworks: 2. Engaging Panel Discussions 3. Interactive Workshops 4. Community Building
<p>Nishagandhi Dance Festival opens on a high note</p> 	<p>Context:</p> <ul style="list-style-type: none"> • Kerala Tourism’s week-long Nishagandhi Dance Festival opened at the sprawling Kanakakunnu Palace grounds • Tourism Minister P.A. Mohamed Riyas inaugurated the annual event and presented the prestigious Nishagandhi Puraskaram to eminent Bharatanatyam exponent and choreographer Chitra Visweswaran for her outstanding contributions to Indian classical dance. • It is the responsibility of the State govt to preserve diverse art forms and support artists by organizing cultural events like the Nishagandhi Dance Festival. • The cultural festival organized by the government during the Onam provides plenty of opportunities for artists representing various traditions. • Modern dance forms such as ballet are performed along with classical dances such as <ul style="list-style-type: none"> ○ Kathak ○ Odissi ○ Mohiniyattam ○ Bharatnatyam



Daily Current Affairs Encyclopedia

<p>Kochi Corporation's organic waste compositor plant to be inaugurated</p>	<p>Context:</p> <ul style="list-style-type: none"> • Kochi Corporation is taking a significant step towards sustainable waste management with the inauguration of its organic waste compositor plant • This plant, processing one tonne of organic waste daily from about 1,000 households, represents a commendable effort to convert a potential environmental burden into a valuable resource: organic fertilizer. • The plant was established at Manapattiparambu in Kaloor South division of the Kochi Corporation with the support of the German Federal Ministry for Environment, Nature Conservation and Nuclear Safety (BMU). • The BMU has partnered with ICLEI- Local Government for Sustainability, South Asia and the Centre for Heritage Environment and Development of the Kochi Corporation for setting up the plant.
<p>Cabinet nod to extend deadline for Vizhinjam port, advance second, third phase works</p>	<p>Context:</p> <ul style="list-style-type: none"> • The Kerala Cabinet has granted a conditional five-year extension for the first phase of the Vizhinjam International Multipurpose Seaport project, pushing the revised completion date to December 3, 2024. • This decision aims to expedite the overall project development and unlock potential economic benefits sooner. • To accelerate progress, the second and third phases will be brought forward, requiring completion by 2028 instead of 2045. • This represents a significant 17-year reduction in the timeline.
<p>Kerala government increases prices of 13 essential items sold through Supplyco stores</p>	<p>Context:</p> <ul style="list-style-type: none"> • The Kerala government announced a hike in the prices of 13 essential commodities sold through the state-run Supplyco stores. • These items include rice, sugar, coconut oil, pulses, and spices. • The move aims to address Supply Co's financial losses due to high subsidy costs. • Previously, subsidies covered between 55% and 70% of the market price, but now will be capped at 35%.



മലയാളം

ADDAPEDIA

To get free Live Classes,
Materials Scan this QR Code &
Download our Adda247 App



Daily Current Affairs Encyclopedia

- This decision has however drawn criticism from the opposition, who argue it burdens low-income families, and also faces protests from various groups.

Copyright © by Adda247

All rights are reserved. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission of Adda247.