


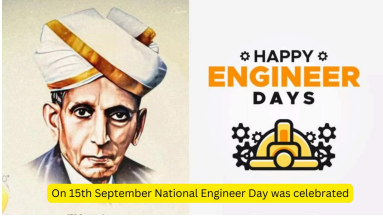


17 Sep 2024

National and International News

<p>Bharat Startup Knowledge Access Registry (BHASKAR) Portal</p>	<p>Context:</p> <ul style="list-style-type: none"> • Union Minister of Commerce & Industry, Shri Piyush Goyal, introduced the Bharat Startup Knowledge Access Registry (BHASKAR) platform in New Delhi under the 'Startup India' initiative on 16th September 2024. • The name BHASKAR, translating to 'Rising Sun', symbolizes growth, enlightenment, and collaboration within the startup community. <p>Objectives of BHASKAR:</p> <ul style="list-style-type: none"> • Fostering Collaboration: The platform aims to promote cooperation, collaboration, and healthy competition among startups, facilitating interaction across the entrepreneurial ecosystem. • Empowering Entrepreneurs: Shri Goyal highlighted that BHASKAR will serve as a platform for aspiring and established entrepreneurs to come together and drive innovation and success. • Global Expansion: By supporting startups, BHASKAR will contribute to the creation of 'Brand India', enabling the nation to showcase its products and services on the global stage and enhance India's global business reputation.
<p>SUBHADRA Scheme</p>	<p>Context:</p> <ul style="list-style-type: none"> • Prime Minister Narendra Modi inaugurated the largest women-centric scheme, 'SUBHADRA', in Bhubaneswar, Odisha. • The scheme aims to benefit over 1 crore women across Odisha. • During the launch, he initiated the fund transfer for more than 10 lakh women beneficiaries. <p>Scheme Overview:</p> <ul style="list-style-type: none"> • Target beneficiaries: Women between 21-60 years. • Financial support: Rs. 50,000 over five years (2024-2029), with Rs. 10,000 credited annually in two equal installments. • Direct transfer to Aadhaar-linked, DBT-enabled bank accounts. <p>Digital Currency Pilot:</p> <ul style="list-style-type: none"> • The SUBHADRA scheme is linked with the RBI's digital currency pilot project, making Odisha the first state to



	<p>adopt this initiative for women beneficiaries.</p> <p>Implementation and Impact:</p> <ul style="list-style-type: none"> The Subhadra Yojana is expected to benefit over one crore women in Odisha, with a total budget allocation of approximately Rs 55,825 crore over five years. The scheme aims not only to provide financial assistance but also to promote digital literacy among women through direct benefit transfers (DBT) linked to their Aadhaar accounts.
<p>Onitis Bordati</p> 	<p>Context:</p> <ul style="list-style-type: none"> A new dung beetle species, <i>Onitis bordati</i>, has been discovered in the Nongkhylllem Wildlife Sanctuary, Meghalaya. <p>Key points:</p> <ul style="list-style-type: none"> Kingdom: Animalia Phylum: Arthropoda Class: Insecta This is the first record of Onitis bordati in India, extending its known habitat from Vietnam and Thailand. Dung beetles like <i>Onitis bordati</i> play vital roles in maintaining ecological balance through functions like seed dispersal, nutrient recycling, and pest control. <p>Nongkhylllem Wildlife Sanctuary:</p> <ul style="list-style-type: none"> Located in Meghalaya, the sanctuary is a renowned tourist destination. It is home to diverse wildlife, including: <ul style="list-style-type: none"> Clouded Leopard Elephants Himalayan Black Bear The sanctuary's rich biodiversity is a critical component of the region's ecological and environmental health.
<p>Sir M Visvesvaraya</p>  <p>On 15th September National Engineer Day was celebrated</p>	<p>Context:</p> <ul style="list-style-type: none"> The Prime Minister, Shri Narendra Modi, paid tribute to the significant contributions of Sir M. Visvesvaraya on the occasion of Engineers Day. <p>About:</p> <ul style="list-style-type: none"> Full Name: Sir Mokshagundam Visvesvaraya (1861-1962) Birthplace: Born on September 15, 1861, in Muddenahalli, Karnataka. <p>Key Contributions:</p> <ul style="list-style-type: none"> Krishna Raja Sagara Dam: Instrumental in its



construction, which transformed irrigation and agriculture in southern India.

- **Automatic Floodgates:** Designed and patented a system of automatic weir floodgates, enhancing flood management.
- **Block System for Irrigation:** Introduced a method for equitable water distribution among farmers.
- **Industrial Development:** Established industries like the Bhadravati Iron and Steel Works and promoted the Mysore Soap Factory.
- **Advocacy for Education:** Founded the Government Engineering College in Bangalore (now University Visvesvaraya College of Engineering) in 1917.

Awards and Honors:

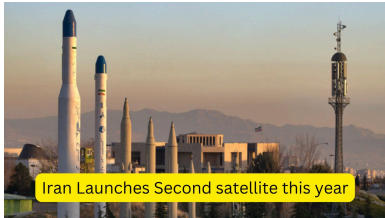
- Knighted as a Knight Commander of the Order of the Indian Empire (KCIE) in **1915**.
- Received the Bharat Ratna, **India's highest civilian award**, in **1955**.
- Celebrated as **Engineer's Day on his birthday, September 15**.

Legacy:

- Known as the "**Father of Modern Mysore**" for his contributions to infrastructure and development.
- Influenced engineering practices in India and inspired future generations of engineers.

National Engineers Day 2024, celebrated on September 15th, will focus on the theme "**Innovating for a Sustainable Future**".

Chamran-1



Context:

- The **Chamran-1** is a newly launched **Iranian research satellite**, marking a significant advancement in Iran's space capabilities.

Overview

- **Launch Date:** Chamran-1 was successfully launched on September 14, 2024.
- **Launch Vehicle:** The satellite was deployed using the **Qaem-100**, which is **Iran's first three-stage** solid-fuel satellite launcher developed by the **Aerospace Force of the Islamic Revolutionary Guard Corps (IRGC)**.
- **Orbit:** Chamran-1 was placed into a **low Earth orbit at an altitude of 550 kilometers (approximately 341 miles)**.

Specifications:

- **Weight:** The satellite weighs around 60 kilograms.
- **Design:** Chamran-1 is shaped like a **hexagonal prism**



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with a diameter of 900 mm and is equipped with **solar panels** and a **cold gas propulsion system**.

Mission Objectives:

Primary Mission

- The main goal of Chamran-1 is to test and validate hardware and software systems for orbital maneuver technology.

This includes:

- Assessing the performance of **propulsion subsystems**.
- Validating navigation and **attitude control systems**.

Secondary Tasks

Chamran-1 will also evaluate:

- Orbital correction capabilities.
- The functionality of various subsystems critical for future satellite operations.



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