




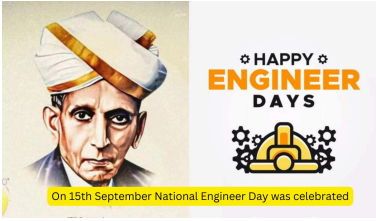
17 September 2024

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



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	<p>currency pilot project, making Odisha the first state to 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>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.



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- **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:

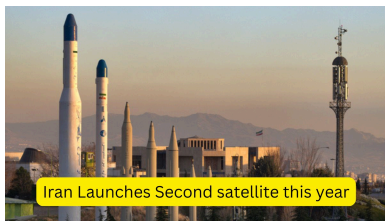
- Knighted as a Knight Commander of the Order of the Indian Empire (KCIE) in **1915**.
- Received the Bharat Ratna, **India's highest civilian award**, in **1955**.
- Celebrated as **Engineer's Day on his birthday, September 15**.

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** 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.



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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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