



**September - 30**

## **TNPSC BITS**

- ❖ India is hosting the 12th World Para Athletics Championships 2025 in New Delhi from 27th September – 5th October for the first time.
- ❖ Google is celebrating its 27th birthday on September 27, 2025.
- ❖ India's first fleet of electric heavy trucks with swappable batteries was flagged off at Jawaharlal Nehru Port Authority (JNPA) at Navi Mumbai.
- ❖ Andhra Pradesh Chief Minister has unveiled India's first artificial intelligence-powered integrated command and control centre for pilgrims at Tirumala, to provide real-time crowd prediction and faster queue management.
- ❖ IIT Madras has been nominated by the Indian government as a United Nations Centre of Excellence for artificial intelligence, capacity building, and skilling.
- ❖ The Asian Aquatics Championships 2025 will be held in Ahmedabad at the newly inaugurated Veer Savarkar Sports Complex.
- ❖ HSBC demonstrated quantum-enabled algorithmic trading in the corporate bond market with IBM.
- ❖ EPFO's Regional Provident Fund Commissioner Shri Vivekanand Gupta has been selected for the Public Financial Asset Management (PFAM) Program 2025–26.
  - The PFAM program is a prestigious initiative jointly organised by the World Bank and the Milken Institute.
- ❖ Jinali Mody from Mumbai has won the 2025 Young Champions of the Earth award by the United Nations Environment Programme (UNEP).
  - Other winners include Joseph Nguthiru from Kenya and Noemi Florea from the United States.

## **TAMIL NADU NEWS**

### **Construction Ban - Pallikaranai Marshland**

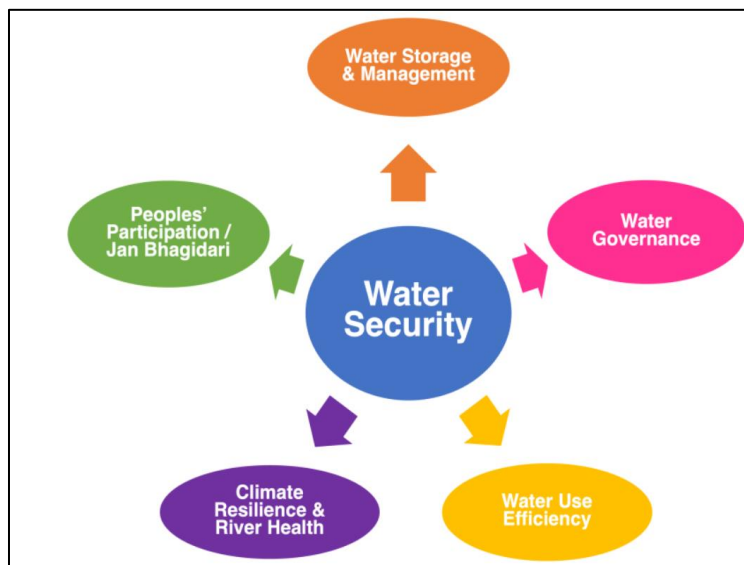
- ❖ The National Green Tribunal (NGT) has ordered a stop to all construction activities within one kilometre of the Pallikaranai Marshland.
- ❖ This decision was taken Suo motu based on media reports of landfilling and construction inside the Perumbakkam wetland.
- ❖ Perumbakkam village, located 246 metres from the marsh boundary, was identified as the affected site.

- ❖ The Pallikaranai Marshland was declared a Ramsar Site in 2022 and plays a key role in flood mitigation.
- ❖ The Tamil Nadu State Wetland Authority (TNSWA) has provisionally marked a one-kilometre buffer using topographical and hydrological tools.



## NATIONAL NEWS

### National Initiative on Water Security

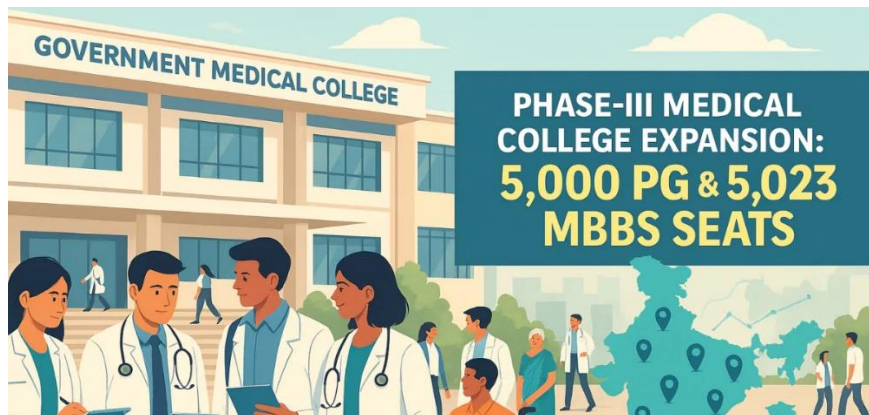


- ❖ Centre has launched the 'National Initiative on Water Security'.

- ❖ This initiative focuses on integrating water conservation with rural employment schemes to ensure sustainable use of water resources.
- ❖ Amendments have been made in the Schedule of the Mahatma Gandhi NREGA Act, 2005, to give precedence to water-related works in water-stressed rural blocks.
- ❖ Under the scheme, more than 1.25 crore water conservation assets such as farm ponds, check dams, and community tanks have been created.
- ❖ Under 'Mission Amrit Sarovar', more than 68,000 reservoirs have been constructed or rejuvenated in the first phase alone.

### **Expansion of medical seats**

- ❖ The Union Cabinet has approved Phase-III of the Centrally Sponsored Scheme to expand medical education in India.
- ❖ A total of 5,000 postgraduate and 5,023 undergraduate (MBBS) seats will be added in government institutions.
- ❖ The scheme includes upgradation of existing government medical colleges, standalone PG institutes, and hospitals.
- ❖ India currently has 808 medical colleges with an MBBS intake capacity of 1,23,700 seats.



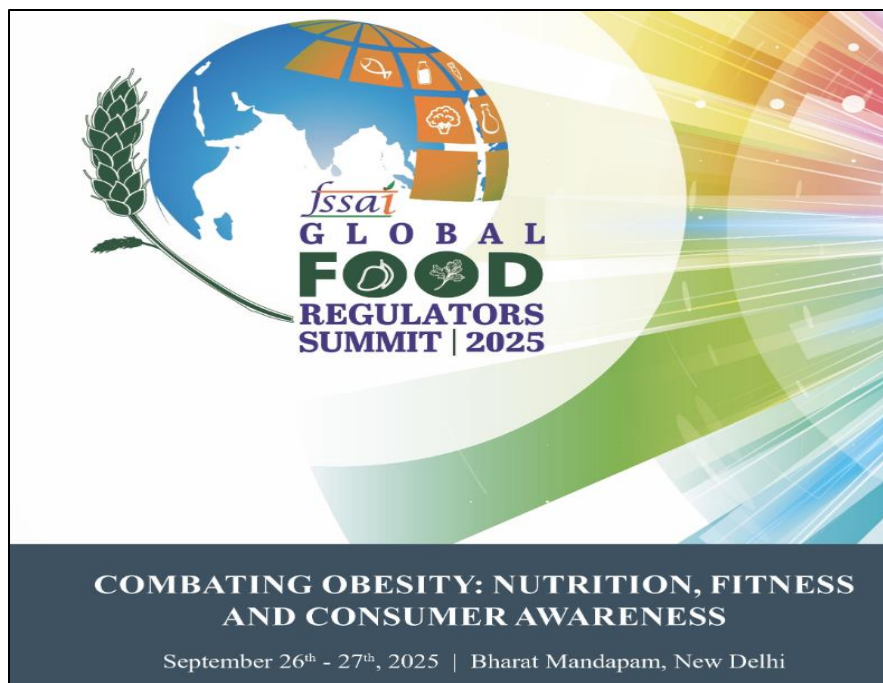
### **Voter registration updates**

- ❖ The Election Commission of India (ECI) has introduced a new e-sign feature on the ECINET portal and app from September 2025.
- ❖ Applicants must now verify their identity using Aadhaar-linked mobile numbers to register, delete, or correct voter details.
- ❖ The process involves Aadhaar-based OTP verification through an external portal managed by the Centre for Development of Advanced Computing (CDAC).

- ❖ It was first used during the June 2025 bye-elections to streamline voter turnout reporting and election data handling.



## Global Food Regulators Summit 2025

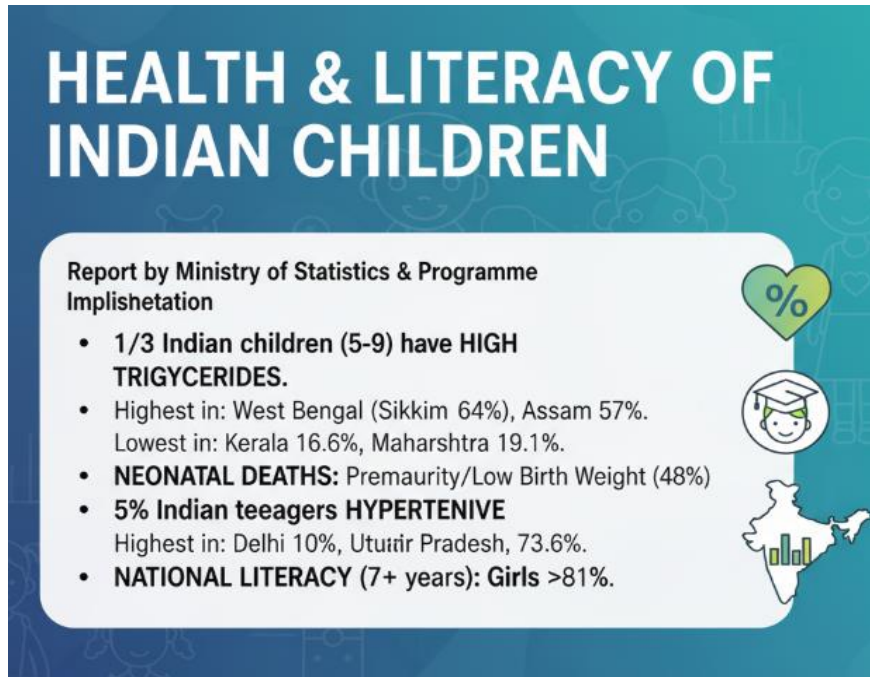


- ❖ The Union Health Ministry unveiled the logo and brochure of the Global Food Regulators Summit (GFRS) 2025.
- ❖ The summit was held in New Delhi, alongside the World Food India 2025 event.



- ❖ The Food Safety and Standards Authority of India (FSSAI) is organising the summit under the Ministry of Health and Family Welfare.
- ❖ The summit's theme is "Evolving Food Systems – Yatha Annam Tatha Manah."

## Health and Literacy of Indian Children



- ❖ The report was released by the Ministry of Statistics and Programme Implementation at the 29th Conference of Central and State Statistical Organisations.
- ❖ One-third of Indian children aged 5 to 9 have high triglyceride levels.
- ❖ Highest triglyceride prevalence is seen in West Bengal (67 %), Sikkim (64 %), Assam (57 %), Nagaland (55 %), and Jammu and Kashmir (50 %).
- ❖ Lowest prevalence observed in Kerala (16.6 %) and Maharashtra (19.1 %), as per the official data.
- ❖ Prematurity and low birth weight cause 48 % of neonatal deaths nationwide.
- ❖ Birth asphyxia and trauma accounted for 16 %, while pneumonia contributed to 9 % of neonatal deaths.
- ❖ About 5 % of Indian teenagers were found to be hypertensive, with the highest in Delhi (10 %), followed by Uttar Pradesh (8.6 %), Manipur (8.3 %) and Chhattisgarh (7 %).
- ❖ Over 16 % of adolescents in India were estimated to have high triglyceride levels.

- ❖ The national literacy rate for children and adolescents is 63.1 %, rising to 73.1 % for those aged seven and above.
- ❖ Literacy among boys is above 80 % across age groups; girls show slightly lower rates but remain above 81 %.

### **8<sup>th</sup> Annual Contractors Meeting 2025**



- ❖ The Ministry of Earth Science hosted the 8th Annual Contractors' Meeting of the International Seabed Authority (ISA) in Goa.
- ❖ Representatives from 14 ISA exploration contractors, including Russia, Japan, China, and others, attended the event organized by CSIR-National Institute of Oceanography (NIO), Goa.
- ❖ The meeting focused on deep-sea exploration technology, environmental concerns, contract compliance, and sustainable marine resource development.
- ❖ India holds two Polymetallic Sulphides (PMS) exploration contracts in the Indian Ocean, the only country with such dual contracts under the ISA.
- ❖ The meeting followed the signing of the second PMS exploration contract between India's Ministry of Earth Sciences and ISA on September 15, 2025.

## **INTERNATIONAL NEWS**

### **UPI in Qatar**

- ❖ Qatar has become the eighth country to join India's Unified Payments Interface (UPI) network.
- ❖ Qatar National Bank partnered with NPCI International Payments Limited to enable QR code-based UPI payments.

- ❖ The new system allows Indian travellers to make instant digital payments at local stores and tourist spots in Qatar.
- ❖ Other countries using UPI include Bhutan, France, Mauritius, Nepal, Singapore, Sri Lanka, and the United Arab Emirates.



## SCIENCE AND TECHNOLOGY NEWS

### Agni-Prime missile



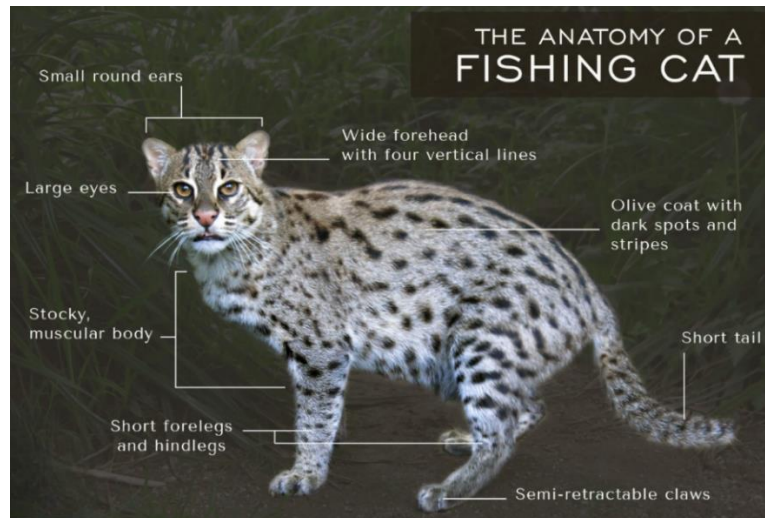
- ❖ The DRDO and Strategic Forces Command (SFC) successfully tested the Agni-Prime missile.
- ❖ The test was conducted from a rail based mobile launcher system under full operational conditions.

- ❖ Agni-Prime is an intermediate range missile with a range capability of up to 2000 kilometres.
- ❖ The rail launcher is self-sustained, can move across the rail network, and launch with short reaction time.

## ENVIRONMENT NEWS

### Fishing cat in RVTR

- ❖ The fishing cat has been recorded for the first time in Ramgarh Vishdhari Tiger Reserve (RVTR), Bundi, Rajasthan.
- ❖ With the fishing cat's presence, the total number of small cat species in the reserve has increased to five.
- ❖ The fishing cat is listed as "Vulnerable" on the IUCN Red List.
- ❖ It is an indicator species of healthy wetlands and riverbank ecosystems, confirming the ecological richness of the reserve.



## STATES' NEWS

### AI-enabled National Park

- ❖ A first-of-its-kind AI-enabled nature experience centre will be established at Betla National Park, part of Palamu Tiger Reserve in Jharkhand.
- ❖ The centre will use advanced technologies including AI assistants, 3D holographic projections, augmented reality, and immersive sound effects.
- ❖ The facility aims to simulate animal movements and ecosystem activities to create an immersive nature experience.



- ❖ The theme of the park is “Threads of Nature.”



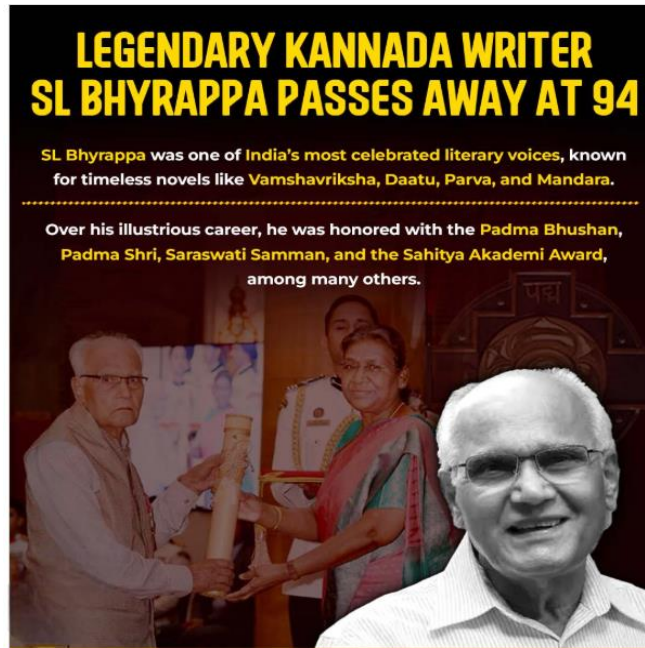
### **Award for silk development**



- ❖ Andhra Pradesh receives best state award for silk development.
- ❖ The award is part of the Mera Resham - Mera Abhiman programme by the Central Silk Board.
- ❖ The award was presented on September 20, 2025, during the 76th foundation day of the Central Silk Board in Bengaluru.

## PERSONALITIES, AWARDS, AND EVENTS

### SL Byrappa Demise



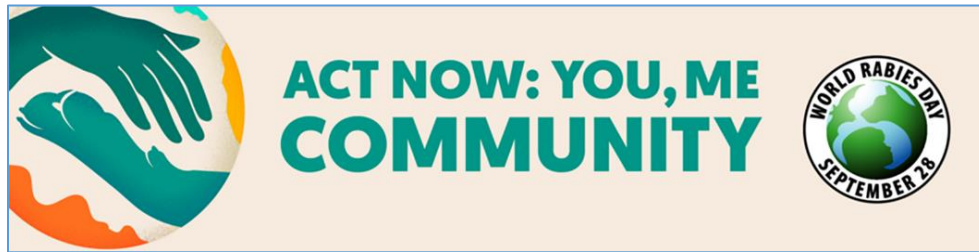
- ❖ Kannada writer and Saraswati Samman awardee S.L. Bhyrappa, 94, passed away.
- ❖ His first novel Bheemakaya was published in 1958.
- ❖ He wrote 25 novels, the last being Uttarakanda (2017), a retelling of Ramayana through the perspective of women.
- ❖ His novels Parva (1979), a retelling of Mahabharata, Vamshavriksha (1965) and Gruhabhanga (1970) are considered to be classics of Kannada literature.
- ❖ He won the Saraswati Samman award for his novel Mandra (2001) in 2010.
- ❖ He was awarded the Padma Bhushan in 2023.

## IMPORTANT DAYS

### World Rabies Day 2025 - September 28

- ❖ This day is to advocate awareness of rabies disease and discuss the various means to avoid it.
- ❖ This day is paying homage to the French scientist Louis Pasteur, who died on September 28, 1895.
- ❖ This zoonotic viral disease spreads through the bite or scratch of a rabid animal and affects the central nervous system.

- ❖ This year's theme is "Act now: you, me, communities".



### **World Rivers Day 2025 - September 28**

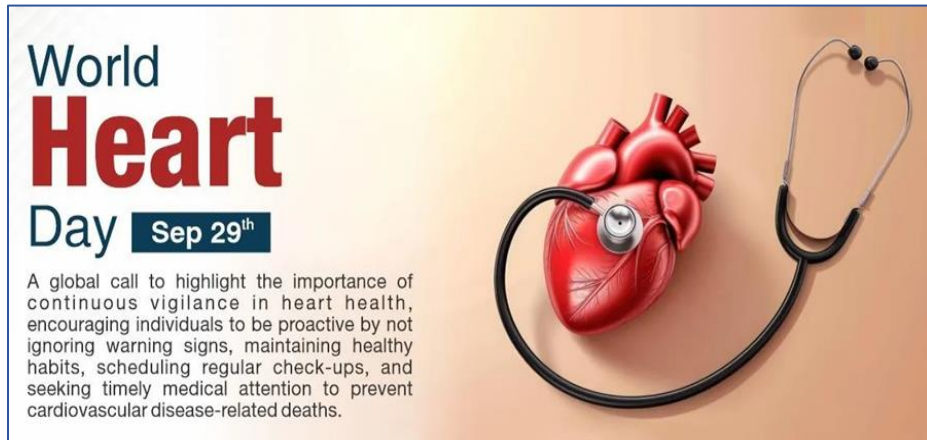
- ❖ This day is observed worldwide on the fourth Sunday of September.
- ❖ It aims to increase public awareness, and encourages the improved stewardship of all rivers around the world.
- ❖ It was founded by Mark Angelo, a Canadian conservationist from Burnaby, BC.



### **World Heart Day 2025 - September 29**

- ❖ This day aims to raise awareness and educate people about the cardiovascular health.
- ❖ One in five people will die early from cardiovascular disease (CVD), which claims more lives than cancer and chronic respiratory diseases combined.
- ❖ This year's theme is "Don't Miss a Beat".





### **International Translation Day 2025 - September 30**



- ❖ It is dedicated to recognizing the invaluable contributions of translators and interpreters in bridging linguistic and cultural divides.
- ❖ The date coincides with the feast day of St. Jerome, the patron saint of translators.
- ❖ St. Jerome is renowned for translating most of the Bible from Greek manuscripts of the New Testament into Latin.
- ❖ He also translated portions of the Hebrew Gospel into Greek.
- ❖ This year's theme of UNESCO is "Unveiling the Many Faces of Humanity".



## MISCELLANEOUS NEWS

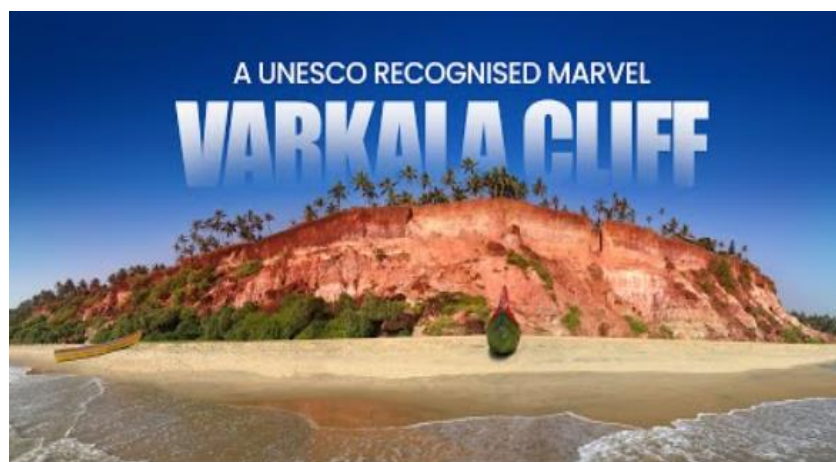
### Phytosaur fossil

- ❖ Fossilised remains discovered near Harpal's pond in Megha village, Jaisalmer, include wood-like stones and a large vertebrate bone structure.
- ❖ Initial assessments suggest the fossil may belong to a prehistoric reptile from the Late Triassic or Jurassic periods.
- ❖ The fossil measures about 6-7 feet long and 3-4 feet wide, showing a clearly visible spine.
- ❖ Jaisalmer has a rich history of fossils, including dinosaur footprints and marine remains dating back 180 million years.

<p><b>What was found:</b> A 1.5 to 2-meter-long Phytosaur fossil</p> <p><b>What is a Phytosaur:</b> A prehistoric, heavily armored, semiaquatic reptile that resembled a crocodile but was not a dinosaur</p>	<h3>FINDINGS AT A GLANCE</h3> 	<p><b>Location:</b> Megha village, Jaisalmer district, Rajasthan, India</p> <p><b>EXPERT OPINION:</b> CONSIDERED A VITAL CONTRIBUTION TO INDIA'S GEOLOGICAL HERITAGE; IDENTIFIED INITIALLY BY A LOCAL HYDROGEOLOGIST AND HIS TEAM</p> <p><b>Age:</b> Approximately 201 million years old, dating back to the Late Triassic Period</p>
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### Varkala Cliff in Kerala





- ❖ Varkala Cliff, Kerala, is on UNESCO's tentative list of World Heritage Sites for its rare Mio-Pliocene sandstone and laterite formations.
- ❖ The cliff holds fossils and ancient climate records, making it scientifically invaluable but geologically fragile.
- ❖ It is a sacred site with the 2,000-year-old Janardana Swamy temple and Sivagiri Mutt nearby.

