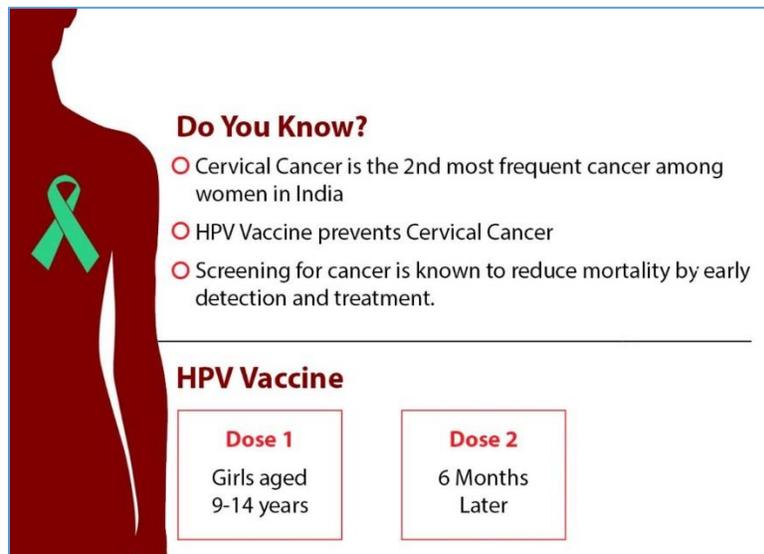


October - 30

NATIONAL

Cervical Cancer vaccine

- ❖ The production of India's first indigenously developed for the prevention of cervical cancer, will start in the first quarter of 2023.
- ❖ This is named as quadrivalent Human Papillomavirus (HPV)- "CERVAVAC" vaccine and developed by the Serum Institute of India.
- ❖ This was announced for the prevention of cervical cancer.
- ❖ 'CERVAVAC' is an outcome of a partnership of DBT and BIRAC with the Bill and Melinda Gates Foundation, supported by Serum Institute of India Private Limited.
- ❖ The indigenous development of quadrivalent vaccine done through its partnership programme 'Grand Challenges India'.



The infographic features a dark red silhouette of a woman's torso on the left, with a teal awareness ribbon around her waist. To the right, there is a white text box with a red border. The text is organized into sections: 'Do You Know?' with three bullet points, 'HPV Vaccine' with two boxes for 'Dose 1' and 'Dose 2'.

Do You Know?

- Cervical Cancer is the 2nd most frequent cancer among women in India
- HPV Vaccine prevents Cervical Cancer
- Screening for cancer is known to reduce mortality by early detection and treatment.

HPV Vaccine

Dose 1 Girls aged 9-14 years	Dose 2 6 Months Later
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INTERNATIONAL

Solar Facility

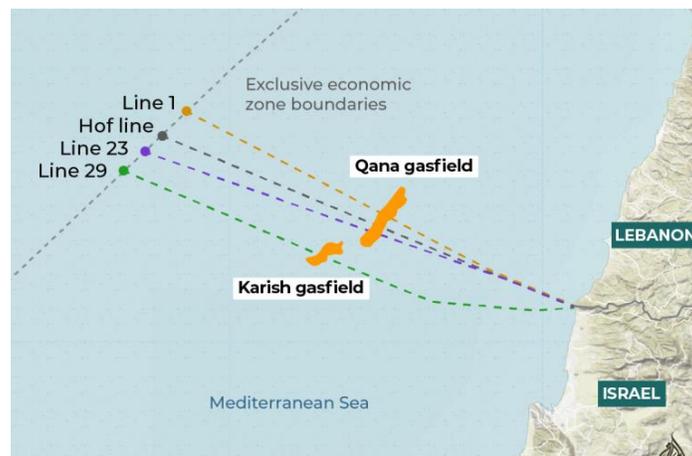
- ❖ To bolster investments in solar power projects, the International Solar Alliance (ISA), approved the 'Solar Facility'.
- ❖ It is a payment guarantee mechanism expected to stimulate investments into solar projects through two financial components.
 - A Solar Payment Guarantee Fund and

- Solar Insurance Fund.



Israel and Lebanon agreement

- ❖ Israel and Lebanon finalized an agreement defining their maritime borders in the Mediterranean.
- ❖ This is United States-brokered deal at the United Nations mission on the land border between the countries.
- ❖ This agreement settles a years-long maritime border dispute involving major oil and gas fields in the Mediterranean.

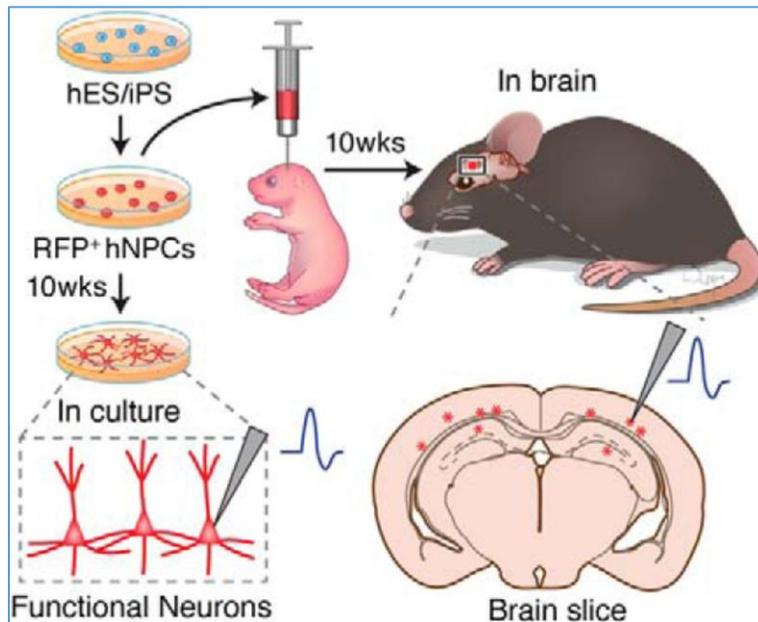


SCIENCE AND TECHNOLOGY

Human brain cells integrated into rats

- ❖ Scientists have successfully implanted and integrated human neurons into newborn rats.

- ❖ These rats help research psychiatric disorders and test treatment against them.
- ❖ The researchers also tested and concluded that the implanted human neuron can send signals back to the rat's body.
- ❖ This study will play a major role in improving the current understanding about human brain development and neurodevelopment disorders.



ENVIRONMENT

New species of deep-sea fish

- ❖ Scientists have recently discovered a new species of deep-sea fish in the Atacama Trench.
- ❖ They recorded three types of hadal snailfish, one of which is never known to science.
- ❖ The new species, christened *Paraliparis selti*, was discovered some 6,000 to 7,000 meters deep.
- ❖ With its large eyes and unique colour, it resembled snailfish living in shallower waters.
- ❖ It belongs to genus *Paraliparis*.
- ❖ Species of this genus is mainly found in Southern Ocean of the Antarctic and rarely found deeper than 2,000 meters.
- ❖ This is the first time that the *Paraliparis* genus was recorded in the hadal zone.

- ❖ The name *Paraliparis selti* means blue in the Kunza language of the indigenous people living in Atacama Desert.
- ❖ The new species has evolved from the cold-adapted species of the Southern Ocean.
- ❖ Its discovery opens new questions related to the connection between cold temperature and high-pressure adaptation.
- ❖ The Atacama Trench or the Peru-Chile Trench is an oceanic trench in the eastern Pacific Ocean situated some 160 km off the coast of Peru and Chile.



STATES

Trees outside forests in India program



- ❖ The “trees outside forests in India (TOFI)” programme was jointly launched by the government of Assam and the US Agency for International Development (USAID).
- ❖ It expands tree coverage outside the traditional forest areas in the north-eastern state.
- ❖ It aims to rope in private entities to promote and scale traditional practice of agroforestry in the state through the adoption of modern methods to integrate productivity and profitability with environmental initiatives.

Restoration of Old Pension Scheme - Punjab

- ❖ Punjab government took an in-principle decision to restore the old pension scheme for its employees.
- ❖ Under this, Employees will be given the option to join the old pension scheme.
- ❖ Earlier, it was discontinued in 2004.

Project ‘Vayu Amrit’

- ❖ The Confederation of Indian Industry partnered with Indian Oil Corporation to launch ‘Vayu Amrit’ in Punjab’s Sangrur.
- ❖ Vayu Amrit’ is a crop residue management initiative.
- ❖ The CII already runs a crop residue management programme in Punjab and Haryana to mitigate stubble burning to reduce air pollution.



Jail Lok Adalat initiative

- ❖ The Chhattisgarh State Legal Services Authority (CGSLSA) has launched an initiative to conduct Jail Lok Adalat.

- ❖ It aims to facilitate release of prisoners who are languishing in jails despite being granted bail or first-time offenders of crimes that are not heinous in nature,
- ❖ The Jail Lok Adalat was held for the first time in all 33 jails of the state on October 15, during which 448 prisoners were released.



PERSONALITIES, AWARDS, AND EVENTS

Lifetime Achievement Award of USISPF



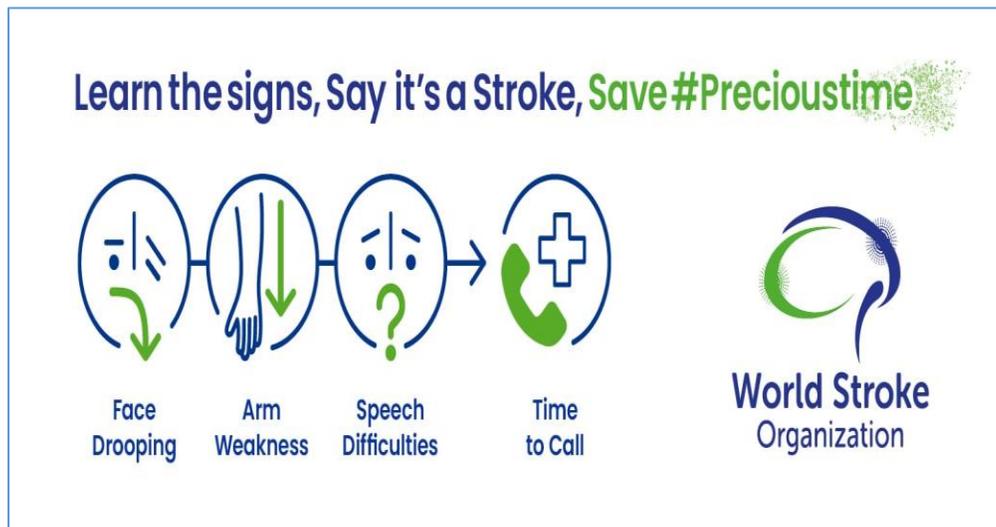
- ❖ The US-India Strategic Partnership Forum (USISPF) has bestowed the Lifetime Achievement Award on HCL founder Shiv Nadar.
- ❖ This is for his contribution to the technology industry and his initiatives in the sphere of education.

- ❖ He has invested US\$ 1.1 billion through the Shiv Nadar Foundation towards philanthropic initiatives, particularly in the area of education.
- ❖ The impact of his Foundation institutions is reflected in the aspirations of meritorious students who started their journeys from humble, geographically, remote backgrounds.

IMPORTANT DAYS

World Stroke Day - October 29

- ❖ This day emphasize the serious nature and high rates of stroke.
- ❖ The day is also observed to raise awareness of the prevention and treatments of strokes.
- ❖ World stroke day was established on 29th October 2004 at World Stroke Congress in Vancouver, Canada.
- ❖ Later in 2006, the day was proclaimed for public awareness.
- ❖ This year's Theme is "#Precioustime".



World Thrift Day/World Saving Day - October 30

- ❖ It aims to promote the habit of savings.
- ❖ The World Savings Day was established on October 30, 1924, during the first International Savings Bank Congress.
- ❖ It was proposed by the Italian Professor, Filippo Ravizza.
- ❖ The idea behind the day was to encourage the practice of saving money, especially through thrifting.

- ❖ Theme for this year was “Saving prepares you for the future.”



MISCELLANEOUS

Most Popular GI Award



- ❖ The ‘Most Popular Geographical Indication’ award was conferred to Hyderabadi Haleem and its other GI products.
- ❖ This is awarded under the food category and agriculture category.
- ❖ It is the only product in Telangana to receive a GI tag under the foodstuff category.
- ❖ Under the handicraft category, Thanjavur Art Plate from Tamil Nadu won the award.



- ❖ Mysore Sandal Soap from Karnataka received the award under the manufacturing category.
- ❖ Uttar Pradesh's Chuna Balua Patthar won in the natural category.

