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தமிழ்நாடு

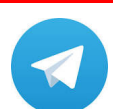
- இலக்கியவீதி இனியவன் பெயரில் விருதுகள்

India

- Parliamentary standing committee presented "Implementation of National Education Policy (NEP), 2020 in higher education" report
- PEROVSKITE - Next Generation Solar Cells
- Inauguration Of Indian Lighthouse Festival At Aguada Fort In Goa
- Bharat Drone Shakti 2023 At Hindon Airbase In Ghaziabad

World

- NASA'S first asteroid samples landed on Earth



இலக்கியவீதி இனியவன் பெயரில் விருதுகள்

சென்னை கம்பன் விழாவில் ஆண்டுதோறும் இலக்கிய வீதி இனியவன் பெயரில் விருதுகள் வழங்கப்படும் என சென்னை கம்பன் கழகத் துணைத் தலைவரும், மக்களவை உறுப்பினருமான எஸ்.ஜெகதர்சகன் தெரிவித்தார்.

இலக்கியவீதி இனியவன்

இயற்பெயர்: லட்சுமிபதி

பிறப்பு: 20 ஏப்ரல் 1942

பிறந்த ஊர்: செங்கல்பட்டு மாவட்டம்,

வேடந்தாங்கலை அடுத்த விநாயகநல்லூர்



இலக்கியவீதி அமைப்பு

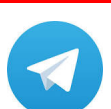
- 1.மதுராந்தகத்தில் இலக்கியவீதி என்ற அமைப்பை உருவாக்கினார் இனியவன்.
- 2.இந்த அமைப்பின் குறிக்கோளுரையாக வீடு தோறும் கலையின் விளக்கம் வீதி தோறும் தமிழின் வெளிச்சம் என்பது இருந்தது
- 3.இலக்கிய அமைப்பின் சார்பில் இலக்கியக் கூட்டங்களை தமிழ்நாட்டின் பல நகரங்கள் மட்டுமல்லாமல் தமிழ்நாடு தாண்டி தில்லி, அந்தமான் தீவுகள் என தொடங்கி சிங்கப்பூர், மலேசியா உள்ளிட்ட வெளி நாடுகளிலும் நடத்தியுள்ளார்.

விருதுகள்

- 1.அமெரிக்க தமிழ்ச் சங்க கூட்டமைப்பின் மாட்சிமை விருது
- 2.வேலூர் கம்பன் கழக விருது
- 3.கண்ணப்பன் அறக்கட்டளையின் இலக்கிய நாயனார் விருது

படைப்புகள்

- 1.வேடந்தாங்கல் என்ற பெயரில் பறவையியல் நூல்.
- 2.உத்திரமேரூர் உலா என்ற பெயரில் செங்கல்பட்டு மாவட்டத்தின் அகநாட்டு வரலாற்று நூல் .
- 3.205 க்கும் மேற்பட்ட சிறுகதைகளும்
- 4.17 குறும்புதினங்களும்
- 5.15 புதினங்களையும் எழுதியுள்ளார்



PARLIAMENTARY STANDING COMMITTEE PRESENTED "IMPLEMENTATION OF NATIONAL EDUCATION POLICY (NEP), 2020 IN HIGHER EDUCATION" REPORT

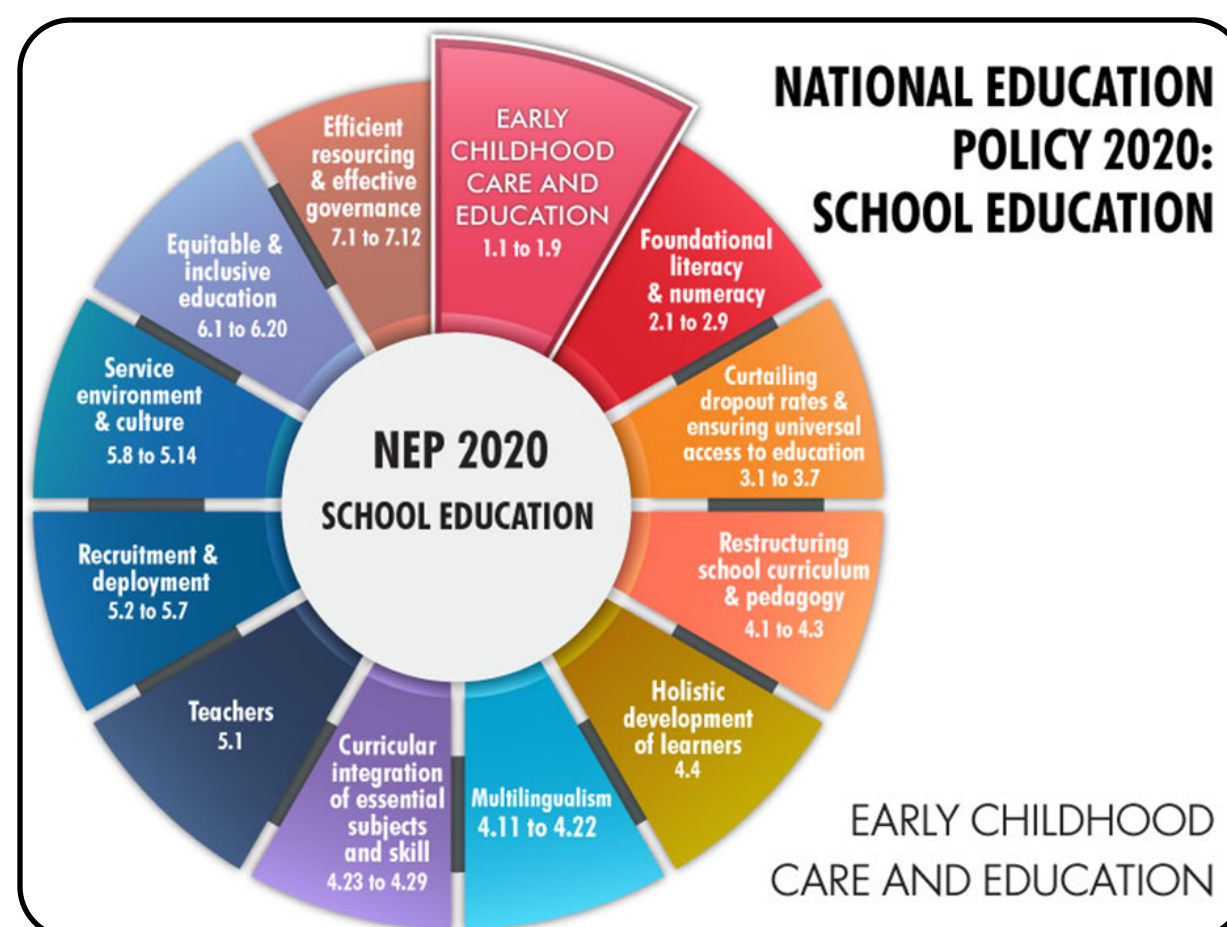
- The panel said **Multiple Entry Multiple Exit** like a flexible system, which was being operated by Western educational institutions effectively, it might not work well in the country.
- Built on foundational pillars of **Access, Equity, Quality, Affordability and Accountability**,
- NEP aims to transform India into a vibrant knowledge society by making school and college education more multidisciplinary.

Salient Features of NEP 2020 in Higher Education Sector

- Increase Gross Enrolment Ratio in higher education including **Vocational Education to 50% by 2035**.
- Institutions will have option to run Open Distance Learning and online programmes, provided they are accredited to do so.
- Undergraduate degree will be of either 3 or 4-year duration, with multiple exit options within this period, with appropriate certifications.
- Model public universities for holistic and multidisciplinary education, at par with IITs, IIMs, etc., called MERUs (Multidisciplinary Education and Research Universities) will be set up.
- By 2025, at least 50% of learners through school and higher education system shall have exposure to vocational education.

Recommendations

- Introduction of **"Design Your Degree" programme (adopted in Jammu University)** in Higher Education Institutions for Personalized, Interdisciplinary Learning.
- Develop and distribute educational content tailored to local needs and languages. Encourage research and innovation in the field of education for marginalized communities.

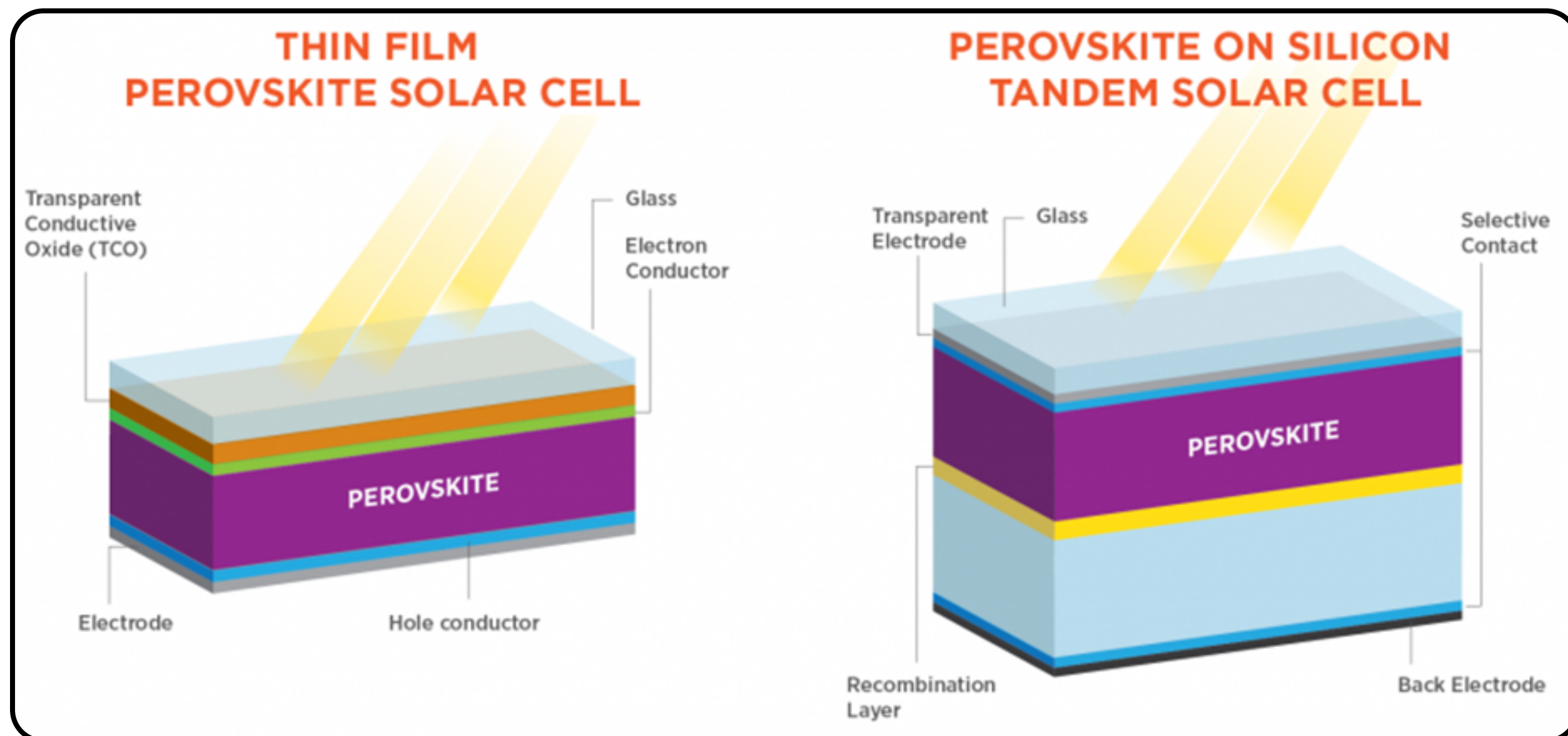


PEROVSKITE - Next Generation Solar Cells

- Scientists discovered that a **nanoscale ink coating** could improve stability enough to make **next-generation perovskite solar cells** suitable for mass production.

Characteristics

- Perovskite is a **naturally occurring mineral of calcium titanate**.
- Properties of Perovskite: **Lightweight, high optical conductivity and absorption, high efficiency, cheaper to produce compared to traditional silicon-based cells.**
- Applications: **Solar Panels industry, Space technology etc.**
- Limitations : Can decompose when they react with moisture and oxygen, suffers from a drop in efficiency and energy output during the manufacturing process etc.



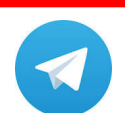
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Inauguration of Indian Lighthouse Festival at Aguada Fort In Goa

Indian Light house Festival is being held **to celebrate lighthouses, an essential part of maritime navigation and unique structures** that have throughout antiquity beckoned ships and tourists alike with their mystery and scenic allure.

History of Aguada fort

- **Aguada Fort was built by Portuguese between 1609 and 1612.** Most part of the fort has now been ruined but still people come to visit this fort.
- The fort was built **to get protection from the invasion of Dutch and Marathas**
- Aguada Fort was built **to guard and defend the Portuguese stronghold in Goa against the Maratha and Dutch invaders.**
- Owing to **its location at the confluence of the Arabian Sea and the Mandovi River,** it became the most prized fortress for the Portuguese back in the seventeenth century



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Bharat Drone Shakti 2023 At Hindon Airbase in Ghaziabad

- Defence minister Shri Rajnath Singh will inaugurate the Bharat Drone Shakti - 2023 at the Indian Air Force airbase in Hindan Ghaziabad, Uttar Pradesh today. Indian Air Force and Drone Federation of India are co-hosting the event.

About

The C-295 is a **transport aircraft of 5-10 tonne capacity with contemporary technology.**

Robust and reliable, it is a versatile and efficient tactical transport aircraft which can perform a number of different missions.

Features:

The aircraft, with a flight endurance of up to 11 hours, can carry out **multi-role operations under all weather conditions.**

It can routinely operate day as well as night combat missions from desert to maritime environments.

It has a rear ramp door for quick reaction and para dropping of troops and cargo. Short take-off/land from semi-prepared surfaces is another of its features.

Replacement:

It will **replace the Indian Air Force's ageing fleet of Avro-748 planes.**

The Avro-748 planes are a **British-origin twin-engine turboprop, military transport and freighter with a 6-tonne freight capacity.**



Tata Advanced Systems Ltd (TASL) will jointly execute the project **to equip the air force with the new transport aircraft under the Make-in-India initiative in the aerospace sector.**

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NASA'S FIRST ASTEROID SAMPLES LANDED ON EARTH

- NASA'S first asteroid samples fetched from deep space parachuted into the Utah desert.
- **The capsule was released from the OSIRIS - REx spacecraft as it passed by Earth, entering the atmosphere at around 27,000 mph**
- Capsule must **protect the sample from heat, vibrations and any contamination from our planet.**
- The OSIRIS-REx mission, **launched in 2016, has collected as much as several hundred grams of asteroid material, which could help scientists understand the earliest stages of the solar system.**
- NASA invests in small body missions like OSIRIS-REx **to investigate the rich population of asteroids in our solar system** that can give us clues about how the solar system formed and evolved
- The capsule will be taken to a temporary clean room for **first disassembly, removing some of the larger parts such as the backshell.**

OSIRIS-REx THE MISSION

WHAT WILL THE OSIRIS-REx MISSION DO?

- Collect a sample from a near-Earth asteroid called Bennu, and return the sample to Earth for study.
- Help scientists better determine the orbit of the asteroid.
- Acquire knowledge about the asteroid's composition, which could give clues about how planets formed and how life began.

SCIENTIFIC OBJECTIVES

- Collect a sample and return it to Earth
- Map the asteroid
- Determine Bennu's physical and chemical properties
- Measure the orbit deviation caused by sunlight (the Yarkovsky effect)
- Compare observations with data from telescopes

WHY ASTEROID BENNU?

- 1. **PROXIMITY TO EARTH**
Every six years, Bennu's orbit brings it near Earth – less than 450,000 km away. Its orbit allows a spacecraft to travel there and back safely.
- 2. **SIZE**
Asteroids less than 200 m wide spin very quickly, which makes it difficult for a spacecraft to safely interact with them. Bennu is nearly 500 m in size and revolves once every 4.3 hours, slowly enough to collect a sample.
- 3. **COMPOSITION**
Scientists will be able to analyze the asteroid's chemistry and mineralogy to learn more about its composition and how it compares to other asteroids.

MISSION TIMELINE

- 2016 LAUNCH
- 2018 ENCOUNTER
19 months collecting data and preparing for sample collection.
- 2020 SAMPLE COLLECTION JULY 2020
3 ATTEMPTS
Bringing a sample to Earth will allow scientists to study Bennu for decades using highly sophisticated instruments and techniques.
- 2023 RETURN TO EARTH

CANADIAN CONTRIBUTION

The OSIRIS-REx Laser Altimeter (OLA) is the Canadian contribution to the spacecraft. OLA will make a 3D map of Bennu and sleuth out the best site for a sample.

Canada



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