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DAILY NEWS DECODE
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GoI setting up National Land Monetisation Corporation

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- **According to Economic Survey, the government is setting up the National Land Monetisation Corporation (NLMC) to carry out the monetization of the land and other non-core assets.**
- **The initial authorized share capital of NLMC will be Rs 5000 crores and subscribed share capital of ₹150 crores.**
- **So far, CPSEs have referred 3,400 acres of land and other non-core assets for monetization from CPSEs including MTNL, BSNL, BPCL, B&R, BEML, HMT Ltd, Instrumentation Ltd.**
- **The National Land Monetisation Corporation (NLMC) is being set up in accordance with the Budget announcement.**

- It is being set up as a 100 per cent Government of India owned entity.
- The initial authorised share capital will be Rs 5,000 crore while subscribed share capital will be Rs 150 crore.
- It works as an asset manager for lands owned by central government and central public sector enterprises (CPSEs).
- It has the freedom to invest, lease or rent assets or monetise them based on suggestions by many sources.
- It is free to develop assets for commercial or residential purposes

Torgya Festival celebrated in Arunachal Pradesh 2022

- **The three days long Torgya Festival of the Monpa tribal community of Arunachal Pradesh is celebrated at Tawang Monastery, Arunachal Pradesh.**
- **The main attraction of the festival is the 'Sha-na Cham', the ritual dance performed by monks to showcase the Choe-Gyal Yap & Yum Tsa-Munde deity.**
- **This year is the 'Dungyur Torgya' festival, which marks a special occasion as every 3rd year, the festival is organized on a broader level with the name Dungyur Festival during which Dalai Lama offers blessings (also known as Tse-Boom) to other lamas by sending Feb Jum which is a holy item to be used in rituals.**

SAFFORN BOWL PROJECT

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- Union Minister of State (Independent Charge) of the Ministry of Science and Technology and Earth Sciences, Dr. Jitendra Singh informed Lok Sabha about the Safforn Bowl Project.

- North East Centre for Technology Application and Reach (NECTAR) under Saffron Bowl project has identified few locations in Arunachal Pradesh and Meghalaya for saffron cultivation.

- In Arunachal Pradesh, there is a good growth of organic saffron with flowers. In Meghalaya, sample plantations were grown at Cherrapunji, Mawsmai and Lalingtop sites.

- The total cost of the whole project is Rs. 17.68 lakhs for Arunachal Pradesh and Meghalaya. Out of which, a tentative amount of Rs.6.00 lakhs has been earmarked for Barapani (Meghalaya) site.

The following sites have been identified in Meghalaya under the said project:

- **Barapani,**
- **Cherrapunji,**
- **Mawsmai,**
- **Shillong, and**
- **Lalingtop**

OPEN CAST MINING

- **Five persons were found dead after part of an open cast coal mine caved in, in Dhanbad district of Jharkhand.**
- **Officials said the deceased persons had illegally entered the open cast mine located at the Eastern Coalfields Limited (ECL) in Mugma.**
- **Open cast mining is a traditional 'cone-shaped' excavation done for surface mining of coal that does not deep shafts.**
- **Open-pit mining, also known as open-cast or open-cut mining and in larger contexts mega-mining, is a surface mining technique of extracting rock or minerals from the earth from an open-air pit, sometimes known as a borrow.**
- **This form of mining differs from extractive methods that require tunnelling into the earth, such as long wall mining. Open-pit mines are used when deposits of commercially useful ore or rocks are found near the surface.**

India's first Graphene Innovation Centre

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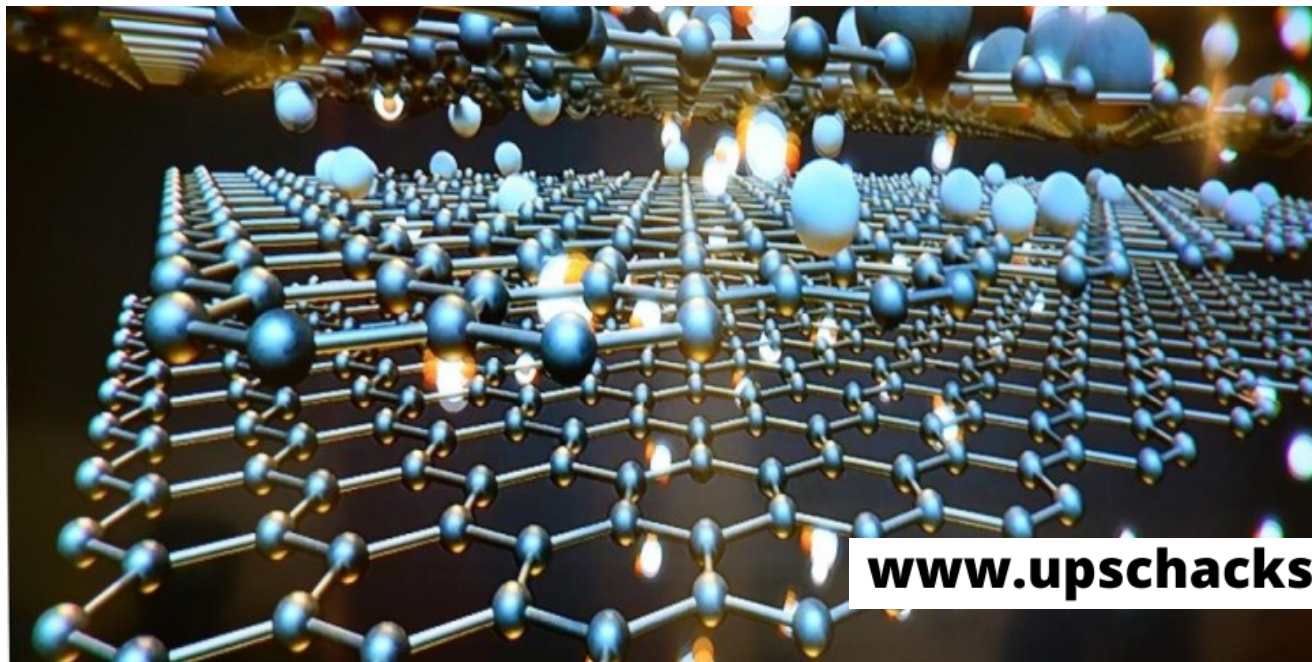
- **The Kerala government announced that the India Innovation Centre for Graphene would come up in Thrissur.**
- **It is a joint venture of Digital University of Kerala, Centre for Materials for Electronics Technology (C-MET) and Tata Steel Limited.**
- **It is expected to offer students, researchers, established industries, and budding start-ups, an opportunity to test and experiment with new innovative products.**
- **It aims to be an anchor point to promote startups and commercial research.**
- **It would help attract investors to develop graphene products.**

- The project would give a major fillip for scientific research as well as the state's industrial sector.
- Graphene is an allotrope of carbon consisting of a single layer of atoms arranged in a two-dimensional honeycomb lattice nanostructure.
- It is the building-block of Graphite, but graphene is a remarkable substance on its own with a multitude of astonishing properties.
- It is the thinnest, most electrically and thermally conductive material in the world, while also being flexible, transparent and incredibly strong.
- It is also known as a wonder material due to its vast potential in the energy and medical world.
- It has a lot of promise for additional applications: anti-corrosion coatings and paints, efficient and precise sensors, faster and efficient electronics, flexible displays, efficient solar panels, faster DNA sequencing, drug delivery, and more.
- The studies have found that graphene could replace Indium and thereby bring down the cost of OLED (organic light-emitting diode) screens in smartphones.

Satellite images show the world's longest 768-km lightning megaflash

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- **Satellite images have captured the 768-km-long lightning strike over the southern US, recently recognised as the longest detected megaflash by the World Meteorological Organization (WMO).**

- **The lightning megaflash occurred on April 29, 2020, following thunderstorms. It was 60 km more than the previous record-holding lightning strike that was observed across parts of Brazil on October 31, 2018.**

Scientists develop insect-sized flying robots with flapping wings
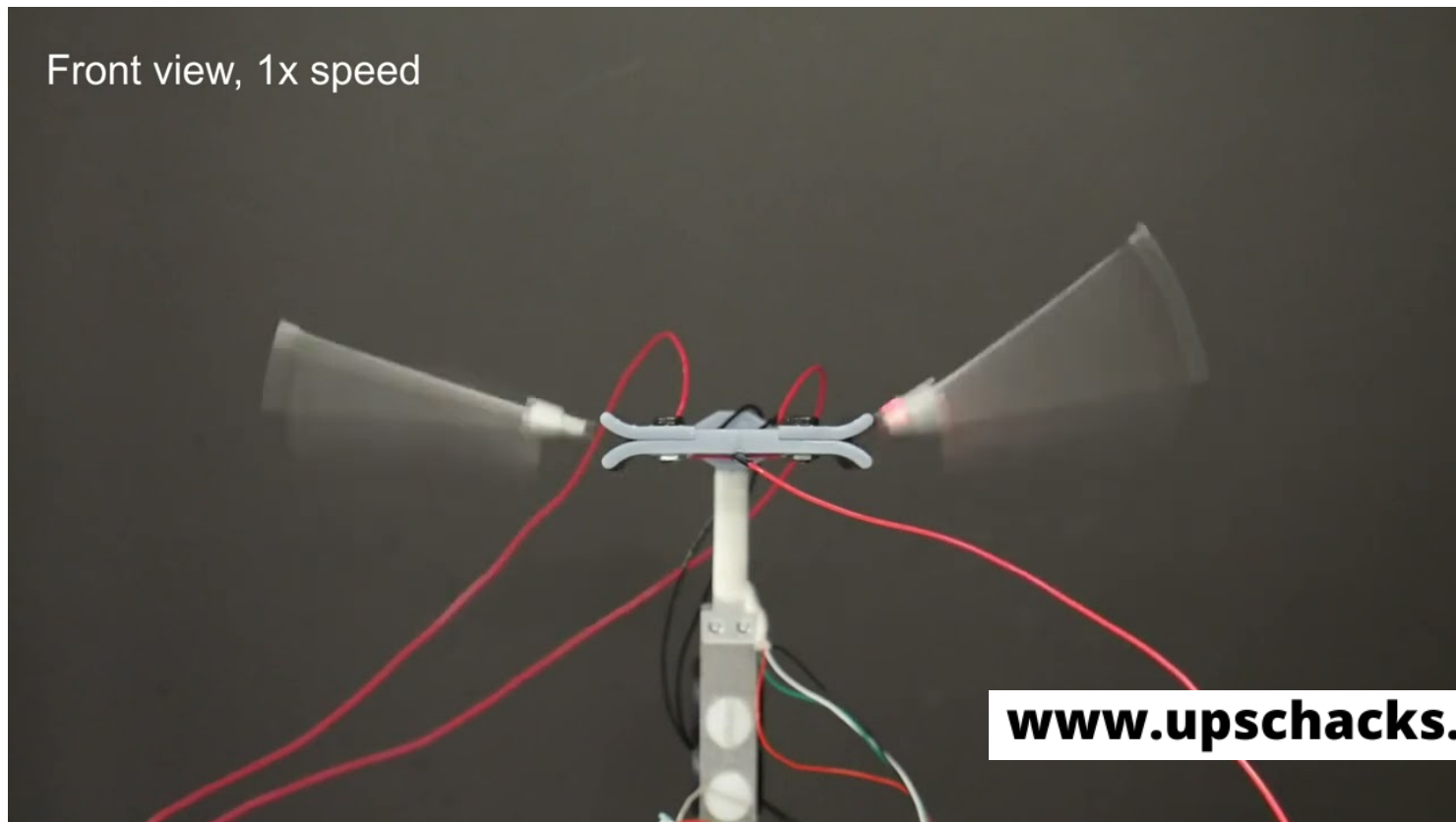
- **A University of Bristol team has developed self-driving, insect-sized flying robots with flapping wings.**
- **Scientists have demonstrated a direct-drive artificial muscle system, called the Liquid-amplified Zipping Actuator (LAZA), that achieves wing motion using no rotating parts or gears.**
- **They also demonstrated how the LAZA can deliver consistent flapping over more than one million cycles**