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International & National News

Deep Fakes

Context

- The Ministry of Electronics and Information Technology has sent another advisory to social media firms to comply with the **Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021**.
- The advisory is aimed at getting social media firms to crack down more forcefully on fabricated 'deepfake' clips of people made with artificial intelligence.

About deep fakes

- Deepfakes are **fake content in the form of videos, pictures and audio** which are created using powerful artificial intelligence tools.
- The origin of the word "**deepfake**" can be traced back to **2017** when a Reddit user, with the username "deepfakes", posted explicit videos of celebrities.
- The technology involves modifying or creating images and videos using a machine learning technique called **generative adversarial network (GAN)**.
- This AI-driven software detects and learns the subjects' movements and facial expressions from the source material and then duplicates these in another video or image.

PLI 2.0 for Steel Sector



Context

The government is working on the **Production Linked Incentive (PLI) scheme 2.0** to ensure adequate raw material supply for the steel sector in 2024.

About Production Linked Incentive Scheme 2.0

- The scheme proposes a financial incentive to boost domestic manufacturing and attract large investments in the value chain.
- The target segments under the PLI 2.0 Scheme shall include Laptops, Tablets, All-in-One PCs and Servers and Ultra Small Form Factor.
- **Implementation:** Companies, both global and domestic, that meet the eligibility criteria specified in the PLI 2.0 Scheme guidelines will receive support for manufacturing goods in India within the specified target segment.



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- The classification of applicants into the **Hybrid (Global/Domestic) category** will be determined by whether the company is domestic or global.
- **Tenure:** The incentives provided under the PLI 2.0 Scheme will be applicable for 6 years
- **Base year:** For the calculation of net incremental sales of manufactured goods, the base year will be the financial year 2022-23.

Renewable energy investments



Context

- Power Ministry estimates show that India will witness **more than 83% increase in investments** in renewable energy (RE) projects to **about \$16.5 billion in 2024** as the country focuses on energy transition to reduce carbon emissions
- This is in line with India's ambitious target of having **500 GW of renewable energy by 2030** and its resolve to reduce overall power generation capacity from fossil fuels to less than 50%.
- India has committed to a **net zero emission target by 2070**.

Smart Lander for Investigating Moon (SLIM) spacecraft

Context

- SLIM is a spacecraft built and launched by the **Japan Aerospace Exploration Agency (JAXA)** from the Tanegashima spaceport.
- It weighed only 590 kg
- SLIM was launched together with XRISM, a next-generation X-ray space telescope, onboard an **H-2A rocket**.

Muslim League Jammu Kashmir (Masarat Alam faction) under Unlawful Activities (Prevention) Act (UAPA)

Context

- The Union Home Ministry declared the **Muslim League Jammu Kashmir (Masarat Alam faction)** an **"unlawful association"** under the anti-terror **Unlawful Activities (Prevention) Act (UAPA)** for five years.
- MLJK-MA was known for **its anti-India and pro-Pakistan propaganda** and its objectives were to get freedom of Jammu and Kashmir from India to realize the merger of Jammu and Kashmir with Pakistan and establish Islamic rule.

About

- UAPA was **passed in 1967**.



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- It aims at effective prevention of unlawful activities associations in India.
- Unlawful activity refers to any action taken by an individual or association intended to disrupt the territorial integrity and sovereignty of India.
- The Act assigns **absolute power to the central government**, by way of which if the Centre deems an activity as unlawful then it may, by way of an Official Gazette, declare it so.
- It **has the death penalty and life imprisonment** as the highest punishments.
- Under UAPA, **both Indian and foreign nationals can be charged**

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