

ECONOMY

PRE-CONTEXT

COPYRIGHTS

THE HINDU, P.NO: 11.

News: "The significance of ANI versus OpenAI."

Context: Issues that AI faces: a balance between copyright infringement and fair use, and territoriality in data storage. OpenAI defends copyright does not protect ideas or facts, only their expression. The AI platform stated that it has no offices and servers in India, so no basis for legal action.

About Copy Rights:

- Copyright is a **right given by the law to creators of literary, dramatic, musical and artistic works and producers of cinematograph films and sound recordings.**
- Copyright **ensures minimum safeguards** for authors' rights, protecting and rewarding creativity.
- **The Copyright Act, 1957:**
 - It protects original literary, dramatic, musical and artistic works and cinematograph films and sound recordings from unauthorised uses.
 - **Unlike the case with patents, copyright protects the 'expressions' and not the ideas.**
- There is **no copyright protection for ideas**, procedures, methods of operation or mathematical concepts as such.
- It is **not mandatory to register a work to claim copyright**, copyright is automatic and it does not require any formality.
- A copyrighted work will be considered **"infringed" only if a substantial part** is made use of without authorisation.

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POLITY

PRE-CONTEXT

INTERNET SHUTDOWN

THE HINDU, PG.NO: 13.

News: "Behind the great Indian Internet shutdown."

The Internet is a source of information, entertainment, health care, education, livelihood and a platform for the members of Indian society to interact with each other and the world at large.

Internet Shutdown:

- **Anuradha Bhasin case 2020:** Internet shutdown violates fundamental right under **Art. 19 (Speech & Trade)**
- Power to shut down with **Home Secretary of Union, State Govts.** for maximum 15 days.
- **Legal backing:**
 - **Indian Telegraph Act 1885.**
 - **Section 69(A) IT Act:** Govt. can ban only particular websites not entire internet.
- India's Internet restrictions also **accounted for more than 70% of the total loss** to the global economy in 2020.
- In 2020, the **Indian economy lost \$2.8 billion due to 129 Internet suspensions** that affected 10.3 million people.

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TECHNOLOGY

PRE-CONTEXT

PM-POSHAN SHAKTI NIRMAN

THE HINDU, PG.NO: 16.

News: "PM POSHAN: Centre to bear additional cost of ₹425.62 cr. due to food inflation."

PM-Poshan Shakti Nirman/ Mid-Day Meal Scheme (2021):

- Centrally **Sponsored** Scheme.
- Nodal Ministry: **Ministry of Education.**
- Implemented by **State Governments.**
- Scheme is component of **ICDS.**
- Aims for providing **one hot cooked meal** in **Govt. & Govt. aided schools** from 2022-26.
- Scheme provides meals to children of **pre-primary to class 8.**
- Scheme **also provides educational support** to improve enrolment, attendance etc.
- It **complements the goals of POSHAN Abhiyaan.**

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SPACE

PRE-CONTEXT

NGLV

THE HINDU, PG.NO: 10.

News: "Deepening India's steps as a key space-faring nation."

Next Generation Launch Vehicle (NGLV):

- To deliver heavier payloads is **under development.**
- **Three stages:** Semi-Cryogenic, Liquid Engine, Cryogenic engine.
- NGLV will be **Reusable.** Reusability requires that the rocket keep some of its fuel for controlled descent back to the earth's surface.
- The NGLV will **triple the payload capacity of the LVM3.**
- **India's next uncrewed moon mission is slated to use not one, but two rockets.** Two LVM3s will carry the requisite modules. They will then be assembled in space to form one composite vehicle that will go to the moon.
- **Current capability:** LVM3 can lift maximum weight of **4000kg to the Geostationary Transfer Orbit (GTO):**
 - **GSAT-N2**, a communication satellite built by ISRO, was launched on **SpaceX's Falcon 9 rocket (lift capacity 5,500kg).**
 - **Starship and Starship heavy** lift capacity is **21,000kg to the GTO.**

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TECHNOLOGY

PRE-CONTEXT

NEW SOLAR TECHNOLOGIES

THE HINDU, PG.NO: 12.

News: "What is the extent of the global share of solar energy?"

New Solar Technologies:

- **Quantum Dot solar cells:**
 - Achieved a **record-breaking efficiency of 18%**, offering a promising approach to enhance solar energy capture and power atmospheric water harvesting technologies
- **Self-healing solar panels:**
 - **Extends the lifespan and reduce the maintenance** of existing solar cell technologies.
- **Solar-powered phyto-mining:**
 - Uses solar energy to power the **extraction of valuable metals from soil-using plants**, offering a sustainable alternative to traditional mining practices.
- **Solar paver blocks:**
 - Integrated with building infrastructure and BIPV (Building Integrated PV), like **transparent solar panels, allow light transmission and visibility.**

Impacts:

- These alternative technologies will **reduce reliance on critical materials like lithium and rare earth elements.**
- The solar sector is also prioritising recycling panels and **implementing circular economy practices** to minimise environmental impact.

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RECENT EXAMPLES FROM NEWSPAPER

THE HINDU, PG.NO: 10, 12.

Impartiality

News: "The code of conduct judges need to follow".

About Impartiality:

- Impartiality means **making decisions** or judgements **without bias or favouritism.**
- Impartiality plays a key role for professions like **judges, doctors, public officials etc** where fairness is critical.
- An impartial person ensures that no one receives unfair advantage or disadvantage.

Earlier instances of questioning the impartiality of Administrators:

- **Former CJI Ranjan Gogoi's** nomination to Rajyasabha 2020.
- **Justice Arun Mishra** praising PM while presiding over sensitive cases in 2020.
- **Kerala mulls action against IAS officer** for social media group based on religion in 2024.
- **Karnataka High Court judge in 2024**, had referred to a Muslim-dominated locality in west Bengaluru as 'Pakistan.
- **A sitting judge of the Allahabad Court in 2024**, stating that India will run as per the wishes of the majority and also criticising Muslims is shocking.

"Art. 50 of the Indian Constitution advocates for **Separation of judiciary from executive.** This underscores need for impartiality in governance."

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Thank you!