



## Launch of PARAM Rudra Supercomputers

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Recently, the Prime Minister virtually launched three [PARAM Rudra supercomputers](#) showcasing India's commitment to self-reliance in [high-performance computing \(HPC\)](#).

- The supercomputers have been deployed in **Pune, Delhi, and Kolkata**:
  - **Pune:** The [Giant Metre Radio Telescope \(GMRT\)](#) will utilise it to investigate **astronomical** phenomena like [Fast Radio Burst \(FRB\)](#).
    - A fast radio burst is a **bright and brief burst** of [electromagnetic radiation](#) (light) seen in **radio-wave frequencies**.
  - **Delhi:** The **Inter-University Accelerator Centre (IUAC)** will use it to bolster research in **material science and atomic physics**.
  - **Kolkata:** The **S N Bose Centre** will use it for research in **physics, cosmology, and earth sciences**.
- PARAM Rudra supercomputers are part of the [National Supercomputing Mission \(NSM\)](#).
- **About NSM:** It aims to create a **network of advanced computing** systems across India.
  - It is a collaboration between the **Ministry of Electronics and Information Technology (MeitY)** and the **Department of Science and Technology (DST)**.
- Supercomputers are **advanced computing systems** designed to handle **complex and data-intensive tasks** that require significant **computational power**.

**Read More:** [National Supercomputing Mission \(NSM\)](#)

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