BharatGen AI

Prelims – *Current events of national and international importance |*

General Science.

Why in News?

Recently, Union Minister launched the BharatGen AI at the prestigious "BharatGen Summit", India's largest Generative Artificial Intelligence (AI) and LLM summit and hackathon.

- It is a ***sovereign AI model initiative*** to support Indian languages in key governance sectors.
- It is a government-funded AI, based Multimodal Large Language Model (LLM).

A large language model (LLM) is an AI system trained on vast amounts of text data to understand and generate human-like text, perform tasks like summarization and translation, and answer questions.

- **Launched by –** Ministry of Science & Technology.
- **Umbrella program –** National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) of the Department of Science and Technology (DST).
- **Key features**
  - Multilingual and multimodal nature of foundation models,
  - Bhartiya data set based building, and training,
  - Open-source platform and
  - Development of an ecosystem of generative AI research.
- **Languages covered –** 9 Indian languages, which include Hindi, Marathi, Tamil, Malayalam, Bengali, Punjabi, Gujarati, Telugu, and Kannada.
  - By June 2026, all 22 scheduled Indian languages will be covered.
- **Applications –** It has developed applications in the sectors of agriculture,

governance and defence & planned to available across all states and districts.

- **Technology Innovation Hubs (TIHs)**

Institution Name	Role in BharatGen
Indian Institute of Technology, Bombay	Lead institution, guiding research and integration across consortium partners
Indian Institute of Technology, Kanpur	Legal AI research, domain-specific datasets, and developing tokenisation strategies for multilingual models

- **Deployment –** BharatGen AI is ***currently under pilot phase***, it will be extended to all states and districts after full deployment.

Reference

PIB| BharatGen AI

