



Artificial Intelligence Safety Summit 2023

For Prelims: [Artificial Intelligence](#), Frontier AI, [Ethical AI](#), Bletchley Park, Bletchley Park Declaration

For Mains: Science and Technology- Developments and their Applications and Effects in Everyday Life, Awareness in the fields of IT , Disadvantages of AI, Applications of AI

Source: [IE](#)

Why in News?

The **Artificial Intelligence (AI) Safety Summit 2023 held at Bletchley Park, England** has marked a significant turning point in the global approach to tackling the **challenges posed by frontier AI technologies**.

- To tackle these challenges, 28 major countries, including the United States, China, India, and the **European Union**, signed the **Bletchley Park Declaration** at this first-ever AI Safety Summit.
- This landmark declaration seeks to create a collective understanding and coordinated approach to address the potential risks and benefits of **advanced AI systems, known as frontier AI**.

Note

- Frontier AI is defined as **highly capable foundation generative AI models** that can produce realistic and convincing outputs, such as text, images, audio, or video, on demand.

What are the Key Highlights of Artificial Intelligence Safety Summit 2023?

- **Bletchley Park Declaration:**
 - The Bletchley Park Declaration is the first global pact on tackling frontier AI risks, and it reflects a high-level political consensus and **commitment among the major AI players in the world**.
 - It acknowledges the **potential of AI to enhance human well-being** but also recognizes the **risks posed by AI, especially frontier AI**, which may cause serious harm, either deliberate or unintentional, particularly in domains like cybersecurity, biotechnology, and disinformation.
 - It emphasizes the need for **international cooperation to address AI-related risks**, as they are inherently global, and calls for collaboration among all actors, including companies, civil society, and academia.
 - The declaration also announces the establishment of a regular AI Safety Summit, which will provide a platform for **dialogue and collaboration on frontier AI safety**.
 - The **next summit will be hosted by France** within a year, and South Korea will co-host a mini virtual AI summit in the next six months.

▪ **India's Stance at the Summit:**

- India has shifted from a stance of not considering AI regulation to actively **formulating regulations based on a risk-based, user-harm approach.**
 - India called for a global framework for the expansion of **"ethical" AI tools**, signaling a commitment to responsible AI usage.
- India has shown interest in **establishing regulatory bodies at both domestic and international levels** to ensure the responsible use of AI.
- **Digital India Act, 2023** which is yet to Implement, is expected to introduce issue-specific regulations for online intermediaries, including **AI-based platforms.**

Key Facts About Bletchley Park

- Bletchley Park is located approximately 80 km north of London in Buckinghamshire, England.
 - During **World War II**, it served as the main site for the **British Government Code and Cypher School (GC&CS).**
 - Bletchley Park during the war, worked on deciphering enemy messages.
 - The **Turing Bombe**, developed at Bletchley Park, is renowned for its pivotal role in breaking the **supposedly unbreakable German Enigma code.**
 - This electro-mechanical device significantly accelerated the code breaking process, contributing to the Allies' success during World War II.
 - Bletchley Park also developed the **Colossus machine**, often regarded as the world's first programmable electronic digital computer.
 - The principles and innovations developed at Bletchley Park continue to influence **modern computing and artificial intelligence.**
 - Bletchley Park is now a museum and a historic site, attracting visitors interested in its wartime history and contributions.

UPSC Civil Services Examination, Previous Year Questions (PYQs)

Prelims

Q. With the present state of development, Artificial Intelligence can effectively do which of the following? (2020)

1. Bring down electricity consumption in industrial units
2. Create meaningful short stories and songs
3. Disease diagnosis
4. Text-to-Speech Conversion
5. Wireless transmission of electrical energy

Select the correct answer using the code given below:

- (a) 1, 2, 3 and 5 only
(b) 1, 3 and 4 only
(c) 2, 4 and 5 only
(d) 1, 2, 3, 4 and 5

Ans: (b)

Q. Consider the following pairs: (2018)

	Terms sometimes seen in news	Context/Topic

1.	Belle II experiment	Artificial Intelligence
2.	Blockchain technology	Digital/ Cryptocurrency
3.	CRISPR - Cas9	Particle Physics

Which of the pairs given above is/are correctly matched?

- (a) 1 and 3 only
- (b) 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Ans: (b)

Mains:

Q. What are the main socio-economic implications arising out of the development of IT industries in major cities of India? **(2021)**

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