AICTE's 2025 'Year of AI'

Recently, the **All India Council for Technical Education (AICTE)** has designated **2025** as the **"Year of Artificial Intelligence"** to position India as a global leader in AI.

- AICTE aims to promote **AI in education** through **updated curricula**, **workshops for faculty,** and **collaborations with AI-driven companies** for real-world exposure.
  - Core elements of this initiative includes **AI affirmation Pledge**, **Comprehensive AI integration**, **AI awareness campaign**, **Faculty development and industry partnerships**, **Recognition of excellence**.
- The initiative will affect **over 14,000 colleges and 40 million students**, aiming to integrate AI into higher education and foster innovation and leadership.
- The government launched **AI-enabled tools and safety measures** to enhance consumer protection, including the **National Consumer Helpline, e-maap portal and Jago Grahak Jago mobile application and guidelines** to regulate deceptive marketing in ecommerce.
- The government is focusing on ensuring consumer confidence in the digital market with tools like the **e-Daakhil Portal** for online complaint filing and measures to address e-commerce safety concerns.
- **AICTE:**
  - It is a **statutory body**, and a **national-level council for technical education**, under the **Ministry of Education**.
  - It was set up in **November 1945** as a **national-level apex advisory body**.

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Artificial intelligence(AI)

AI is the simulation of human intelligence in machines programmed to think and learn like humans, capable of problem-solving, reasoning, and adapting to new information.

AI Timeline - Major Milestones

- **1950s** Turing Test Proposed; First AI Programs Developed
- **1956** Dartmouth Conference Coins "Artificial Intelligence"
- **1960s** Eliza Chatbot Created; Early Neural Networks Emerge
- **1996** Deep Blue - a Chess-Playing Program
- **2012** Deep Learning Breakthrough in Image Recognition
- **2014** Generative Adversarial Networks (GANs) Introduced
- **2020** GPT-3 Demonstrates Advanced Language Generation
- **2022** Chatgpt Launches, Bringing Conversational AI to Masses
- **2023** Generative AI Boom; Major Tech Companies Release AI Models

KEY COMPONENTS OF AI

- Machine Learning
- Deep Learning
- Cognitive Computing
- Neural Network
- Computer Vision
- Natural Language Processing (NLP)
- AI

Drishti IAS

Applications of AI

- **Healthcare:** Personalised medicine
- **Finance:** Algorithmic trading
- **Transportation:** Autonomous vehicles
- **Marketing & Customer Service:** Targeted advertising, chatbots
- **Education:** Adaptive learning systems, personalised tutoring
- **Agriculture:** Crop monitoring
- **Cybersecurity:** Threat detection
- **Energy:** Smart grid management, consumption forecasting

Concerns

- Deepfakes & misinformation
- Algorithmic bias
- Automation & job displacement
- Privacy issues
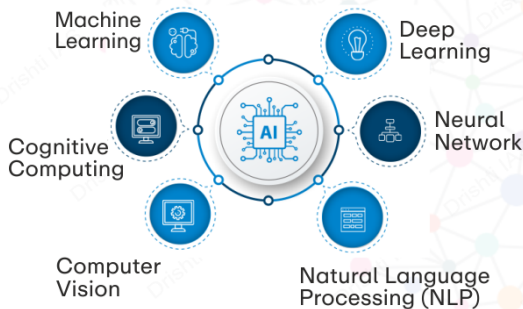- Data ownership & liability issue
- Ethical decision-making complexes

Regulating AI

- **Global Partnership on AI (GPAI)** launched in 2020
- **Bletchley Declaration (2023):** Enhance Global Collaboration on AI
- **G20 New Delhi Leaders' Declaration (2023):** Harnessing AI responsibly for good and for all
- **Hiroshima AI Process (2023)** by G7

India and AI

- **National Strategy For AI 2018**
- **AI For All:** Self-learning online program
- **GPAI Summit 2023** hosted by India
- **IndiaAI Mission 2024**
- **US India Artificial Intelligence (USIAI) Initiative:** AI cooperation in critical areas
- **AIRAWAT** (AI Research, Analytics and Knowledge Assimilation Platform): Supercomputer

Read More: New Regulation of AICTE