EDITORIAL: INDIAN EXPRESS

GENERAL STUDIES 3:   SCIENCE & TECHNOLOGY
TOPIC: ARTIFICIAL ITELLIGENCE   **DATE: 12.12.2024**

WHY WE NEED A GLOBAL FRAMEWORK WITH INBUILT SAFETY MECHANISMS FOR AI

What is Artificial Intelligence?

- Artificial Intelligence (AI) enables machines to perform tasks that typically require human cognition. It includes Machine Learning (ML), Neural Networks, and Natural Language Processing, which allow AI systems to process inputs and provide intelligent outputs that mimic human reasoning.

The Rise of AI and Global Competition

- AI has become a focal point for global competition, with nations racing to lead in AI development. While AI's transformative potential is celebrated, experts like Geoffrey Hinton warn of its disruptive risks, emphasizing the need for caution.

AI in Daily Life: Integration and Challenges

- AI is now embedded in daily life, influencing everything from virtual assistants to online content algorithms. However, AI systems can perpetuate biases, inaccuracies, and even fabricate seemingly credible data, raising ethical concerns about its impact on society.

Risks of AI Misuse and Unchecked Development

- The rapid advancement of AI, if left unchecked, poses risks like deepfakes and fraud. The lack of regulation can lead to misuse, undermining trust in institutions and prompting urgent calls for oversight.

AI's Impact on Governance, Free Speech, and Employment

- AI's influence extends to governance and civil liberties, potentially threatening free speech through surveillance or censorship. Additionally, AI-driven automation displaces workers, exacerbating economic inequalities and threatening social stability.

Societal Harm and Legal Challenges

- AI misuse has contributed to cybercrime, identity theft, and harassment, often leaving victims without effective legal recourse. Existing legal frameworks struggle to keep pace with these challenges, highlighting the need for stronger safeguards.

Towards a Balanced Approach: Global and National Initiatives

- Efforts like the EU's Artificial Intelligence Act and the US's Algorithmic Accountability Act aim to regulate AI. However, India lacks specific AI legislation, underlining the need for a global framework that balances development with accountability.

The Need for Ethical AI Development

- As AI evolves, it's essential to reflect on its societal impact. Policymakers must balance AI's potential with ethical considerations, ensuring that it benefits humanity while minimizing risks.

India's AI Initiatives

- India has taken significant steps to advance AI through initiatives like the National Strategy for AI, AI for Agriculture, and AI Centers of Excellence. Programs like *FutureSkills PRIME* and *INDIAai* focus on AI education, skill development, and research, aiming to equip India for the AI-driven future.

Source: https://indianexpress.com/article/opinion/columns/ai-chatgpt-global-framework-9719809/