

GOVERNMENT OF INDIA  
MINISTRY OF EDUCATION  
DEPARTMENT OF HIGHER EDUCATION

LOK SABHA  
UNSTARRED QUESTION NO. 529  
ANSWERED ON 24.07.2023

**Use of Artificial Intelligence**

529. SHRI K. NAVASKANI:

Will the Minister of **EDUCATION** be pleased to state:

- (a) whether the Government concurs with the view that integrating Artificial Intelligence (AI), specifically Generative Pretrained Transformer (GPT), into the education system is a crucial step to keeping pace with the rapidly changing technological landscape;
- (b) if so, the details of the steps that are proposed to be taken by the Government keeping in mind that it could also transform the traditional education model into a more personalised, adaptive, and effective learning experience;
- (c) whether the Government is cognizant that educators can harness the power of Chat Generative Pre-training Transformer (ChatGPT) to monitor student progress, create customized learning paths, and provide targeted tutoring;
- (d) if so, the details of the steps proposed to be taken by the Government with this innovative language model, along with other AI advancements, presents significant opportunities for content generation, answering student queries, grading assignments, and shaping the future of learning;
- (e) whether the Government proposes to address the challenges associated with Chat Generative Pre-training Transformer (ChatGPT)'s implementation to ensure effective learning outcomes and overcome potential inequities and distractions in the classroom; and
- (f) if so, the initiatives proposed to be taken by the Government in this regard and if not, the reasons therefor?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF EDUCATION  
(DR. SUBHAS SARKAR)

(a) to (f): Yes, Sir. Integration of AI in education is important as it can automate some of the routine tasks of teachers and administration, besides providing personalised learning. Generative Pre-training Transformers (GPTs) are very recent developments in the field. Experts and educators across the globe are deliberating on the potential advantage/disadvantage of using GPTs in education.

NEP 2020 recognizes that to remain relevant in the fast-changing field of educational technology, particular attention will need to be paid to emerging disruptive technologies that will necessarily transform the education system. Realising the need to promote multidisciplinary education in the emerging areas, All India Council for Technical Education (AICTE) has incorporated Artificial Intelligence (AI) component in all IT related courses. Also, minor in AI, Data Science, Machine Learning and Robotics has been suggested to universities which can be run along with other core area of engineering. Faculty Development Programmes are being conducted regularly to train faculty in AI/ML/Data Science and robotics etc.

Further, Ministry of Electronics and Information Technology (MeiTY) has also envisioned “India AI” for leveraging transformative technologies to foster inclusion, innovation, and adoption for social impact and is also implementing “Visvesvaraya PhD Scheme” to enhance the number of PHDs in emerging technologies.

\*\*\*\*\*