GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF SCHOOL EDUCATION & LITERACY
RAJYA SABHA
UNSTARRED QUESTION NO:- 2637
ANSWERED ON-18/12/2024

AI for improving quality of Education

2637   SHRI JAGGESH:

Will the Minister of EDUCATION be pleased to state:

(a) whether it is a fact that Government proposes to make use of Artificial Intelligence (AI) for improving both the quality of education and teaching skills of teachers;

(b) whether National Education Policy, 2020 has recommended introduction of Al as a subject in educational institutions; and

(c) if so, the details thereof and the steps taken so far by Government for its integration with the curriculum, the details thereof?

A N S W E R

MINISTER OF STATE IN THE MINISTRY OF EDUCATION
(SHRI JAYANT CHAUDHARY)

(a) & (b): Improving quality of education and teaching skills of teachers requires a comprehensive and multipronged approach including the use of Artificial Intelligence (AI). Para 4.24 of the National Education Policy (NEP), 2020 has recommended concerted curricular and pedagogical initiatives, including the introduction of contemporary subjects, including AI, at relevant stages. The policy identifies AI as a key competency for the 21st century, emphasizing the need to build foundational knowledge in computational thinking and AI among students.

(c): The National Curriculum Framework for School Education (NCF SE) developed in pursuance of NEP, 2020 has noted that eliminating the risks of AI and using it to its fullest extent is one of the most important areas of research and attention for the entire education system.

The Central Board of Secondary Education (CBSE) has introduced AI as a subject in Class IX from the session 2019-2020 and in Class XI from the session 2020-2021 in their affiliated schools.

The existing NCERT textbooks of Computer Science class XI (Chapter 3, https://ncert.nic.in/textbook.php?kecs1=ps-11) and Informatics Practices class XI (Chapter 2, https://ncert.nic.in/textbook.php?keip1=ps-8) talks about AI, IoT and other emerging technologies.

Following the perspective of NCF-SE 2023, in the textbook brought out for Vocational Education for Grade 6 entitled Kaushal Bodh integrates Artificial Intelligence tools with adequate guidelines.

A two credit course on Information and Communications Technology (ICT) in education has been included under the curriculum component (Ability Enhancement & Value Added courses) of the four (04) year Integrated Teacher Education Programme (ITEP), as notified by the National Council for Teacher Education (NCTE).

AI solutions have been integrated in the Digital Infrastructure for Knowledge Sharing (DIKSHA) portal to facilitate self-paced learning and close monitoring of the National Initiative for School Heads' and Teachers' Holistic Advancement (NISHTHA) training programme.

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