GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF HIGHER EDUCATION

LOK SABHA
UNSTARRED QUESTION NO. 446
ANSWERED ON 05.02.2024

Artificial Intelligence and Remote Learning Platform under National Education Policy 2020

446.   SHRI S. JAGATHRAKSHAKAN:

Will the Minister of EDUCATION be pleased to state:

(a) whether the National Education Policy (NEP) 2020 recognises the transformative potential of Artificial Intelligence (AI) and remote learning platforms in enriching academic excellence and skill development of students;

(b) whether the NEP 2020 acknowledges the role of research and innovation in driving sustainable growth; and

(c) if so, the details thereof and if not, the reasons therefor?

ANSWER

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

(a) to (c): The National Education Policy (NEP) 2020 recognizes the transformative potential of Artificial Intelligence (AI) and remote learning platforms as critical components in achieving key goals of the NEP such as enhancing academic excellence and skill development across all segments of the students. By embracing AI and remote learning, NEP 2020 aims to equip students with 21st-century skills, fostering innovation, critical thinking, and problem-solving abilities essential for their academic and professional success in a rapidly evolving world.

The NEP 2020 has highlighted Artificial Intelligence and remote platforms as important technological tools:

- To create a skilled workforce, particularly involving mathematics, computer science, and data science, in conjunction with multidisciplinary abilities across the sciences, social sciences, and humanities, in order to match the future demands of the economy.
- For curricular and pedagogical initiatives at relevant stages, to develop the various important skills in students at all levels.
- For India's future and India's leadership role in the numerous upcoming fields and professions that will involve mathematics and computational thinking

- For creating a robust ecosystem of research in order to again become a leading knowledge society in the coming years.
- To take the lead in preparing professionals in cutting-edge areas that are fast gaining prominence.
- For student development, and other forms of educational software and hardware that will not just change what students learn in the classroom but how they learn
- To reach students in remote areas, address learning needs to Divyang, and teacher training by integrating mutli-modal tools such as SWAYAM/DIKSHA/SWAYAM PRABHA
- To provide equal access to quality content to all learners in their regional languages

Further, NEP 2020 recognizes the critical role of research and innovation for driving sustainable growth in the education sector. NEP 2020 adopts and aligns itself with critical targets and goals (SDGs) of the 2030 Agenda for Sustainable Development.

The vision of the policy is to develop the youth as a Global citizen that support responsible commitment to human rights, sustainable development and living. The realm of research and innovation in NEP addresses key challenges associated with climate change, population dynamics and management, biotechnology etc. there by driving sustainable growth.

To build on these various elements in a synergistic manner, NEP envisions the establishment of a National Research Foundation (NRF) with an overarching goal to enable a culture of research to permeate in education ecosystem. An Anusandhan National Research Foundation Act has been passed and notified by Government of India on 14th August 2023 towards setting up such a body.

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