

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF HIGHER EDUCATION
RAJYA SABHA
UNSTARRED QUESTION NO-26
ANSWERED ON-07/12/2022

**IMPROVING THE SYSTEM THROUGH ARTIFICIAL INTELLIGENCE/
MACHINE LEARNING**

26. SHRI N.R. ELANGO:

Will the Minister of EDUCATION be pleased to state:

(a) whether Government agrees with the view that Artificial Intelligence (AI)/Machine Learning (ML) needs to be integrated into the system to enable both students and teachers to measure, analyse and improve learning outcomes;

(b) if so, what steps have been taken/being taken by Government in this regard; and

(c) if not, the reasons therefor?

ANSWER

THE MINISTER OF STATE IN THE MINISTRY OF EDUCATION

(DR. SUBHAS SARKAR)

(a) to (c) Yes, Sir. The National Education Policy (NEP) 2020 highlights the importance of focusing on student learning outcomes and making quality education accessible, affordable, equitable and inclusive. Every student or learner is unique in their areas of interest and analytical abilities and Artificial Intelligence and Machine Learning capabilities in pedagogy and course curation are essential in achieving NEP objectives and in making education delivery efficient and inclusive.

All India Council for Technical Education (AICTE) has revamped the existing curriculum and launched outcome based Model curriculum for Diploma, Undergraduate and Post Graduate courses in Engineering and PGDM/MBA. AICTE has also prepared Model curriculum for courses in Emerging Areas like (i) Artificial Intelligence (AI), (ii) Internet of Things (IoT), (iii) Block Chain, (iv) Robotics, (v) Quantum Computing (vi) Data Science (vii) Cyber Security (viii) 3D Printing and Design and (ix) Augmented Reality (AR)/Virtual Reality (VR) etc., and permitted in engineering institutes from academic year 2020-21.

AICTE Training and Learning (ATAL) Academy is one such initiative that has been conducting quality faculty development program for imparting/upgrading faculty knowledge in emerging areas including AI and ML, in collaboration with academia and industry. AICTE has also developed a tool called 'AICTE Translation Automation Artificial Intelligence Tool' to make learning resources available in different regional languages.
