GOVERNMENT OF INDIA
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
DEPARTMENT OF SCHOOL EDUCATION & LITERACY

LOK SABHA
STARRED QUESTION NO. 290
TO BE ANSWERED ON 09.12.2019

Operation Digital Board

*290.   SHRI JAGDAMBIKA PAL:
         SHRI SUDHAKAR TUKARAM SHRANGARE:

Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) the details of progress made with regard to introduction of Operation Digital Board, State-wise;

(b) the steps taken by the Government for providing personalized adaptive learning as well as intelligent tutoring by exploiting emerging technologies like machine learning, artificial intelligence and data analytics;

(c) whether the Government intends to take more steps in order to improve classroom education; and

(d) if so, the details thereof?

ANSWER
MINISTER OF HUMAN RESOURCE DEVELOPMENT
(SHRI RAMESH POKHRIYAL 'NISHANK')

(a) to (d):   A statement is laid on the Table of the House.

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STATEMENT REFERRED TO IN THE REPLY TO PARTS (a) TO (d) OF THE LOK SABHA STARRED QUESTION NO. 290 FOR 9th DECEMBER, 2019 ASKED BY SHRI JAGDAMBIKA PAL AND SHRI SUDHAKAR TUKARAM SHRANGARE, HON'BLE MEMBERS OF PARLIAMENT REGARDING OPERATION DIGITAL BOARD.

(a) to (d) The Digital Infrastructure for Knowledge Sharing (DIKSHA) platform which is presently being used by organizations like CBSE, NCERT and several States and UTs to host e content has inbuilt capability to leverage machine learning, artificial intelligence and data to provide needed guidance and personalisation for the needs of teachers and students. Digitalised text books and other teaching-learning e resources have been made available through web portals like e-Pathshala,

National Repository of Open Educational Resources (NROER), Study Webs of Active Learning for Young Aspiring Minds (SWAYAM). Government has also launched the National Education Alliance for Technology (NEAT) scheme for using technology for better learning outcomes. The scheme uses artificial intelligence to make learning more personalized and customized as per the requirements of the learner. Training of teachers on technology aided teaching in elementary classes has also been undertaken through the National Initiative for School Heads and Teachers Holistic Advancement (NISHTHA).

An Expert Committee constituted to prepare the concept note and an approach paper defining specifications, modalities, financing systems relating to the Operation Digital Board (ODB) has given its recommendations. ODB is being implemented by taking these recommendations into account and incorporating the above mentioned initiatives.

Ensuring higher coverage, easier access and enhanced quality of e content for teaching and learning, training of teachers to effectively handle technology aided teaching, technologically enabled monitoring of hardware and e content usage and online assessment of students linked to learning outcome are the steps being taken by the Government to improve classroom education through the use of technology.

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