

**GOVERNMENT OF INDIA  
MINISTRY OF EDUCATION  
DEPARTMENT OF SCHOOL EDUCATION AND LITERACY**

**RAJYA SABHA  
UNSTARRED QUESTION NO. 34  
TO BE ANSWERED ON 2<sup>nd</sup> FEBRUARY, 2022**

**Coding and data science in schools**

**34 Shri Muzibulla Khan:**

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

- (a) The details of the implementation of Government's programme to introduce coding and data science in schools for Classes VI to XII under the National Education Policy (NEP) 2020;
- (b) The number of schools in the urban and rural areas where the program has been introduced and virtual labs have been set up.
- (c) Whether Government plans to make or has made available necessary infrastructure like internet, electricity, labs and electronic devices so that the program can be efficiently implemented in rural and underdeveloped areas?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF EDUCATION  
(SMT ANNPURNA DEVI)**

- (a) The National Education Policy (NEP)-2020 has stated in Para 4.23 that digital literacy, coding, and computational thinking are imperatives for curriculum. Para 4.25 of NEP 2020 has stated that coding be introduced at Middle Stage (Grades 6-8, covering ages 11-14). The Central Board of Secondary Education (CBSE) has introduced coding as a subject for students of Class 6-8 and data science curriculum for Class 8-12 as new skilling subjects in the 2021-2022 academic session.
- (b) ICT and Digital Initiatives component of Samagra Shiksha provides financial assistance to establish ICT lab and Smart classrooms in Government and Aided Schools having classes VI to XII. ICT lab is approved in 1,14,917 schools including 17,770 Upper Primary schools and 97,147 Secondary/ Hr. Secondary schools till 2021-22 . Smart classrooms are approved in 58,499 schools including 25 044 Upper Primary schools and 33, 455 Secondary/Hr. Secondary schools.
- (c) The State/UT wise data regarding availability of infrastructure like internet, electricity and computers is available at serial No. 37 (Id 3106), 6 (Id 3016) and 38 (Id 3109) respectively under the sub-heading **Infrastructure** of which the UDISE++ link has been provided herewith:

<https://dashboard.udiseplus.gov.in/#/reportDashboard/sReport>

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