

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

**RAJYA SABHA
UNSTARRED QUESTION NO. 1614**

ANSWERED ON 21/12/2022

e-learning survey

1614 Shri Ayodhya Rami Reddy Alla:

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

(a) whether Government proposes to conduct a Nation-wide e-learning survey to understand the digital literacy of school children and the extent of digital infrastructure across the country, if so, the details thereof and if not, the reasons therefor; and

(b) whether Government is implementing any schemes to improve digital literacy of school children and strengthen the digital infrastructure across the country, if so, the details thereof and if not, the reasons therefor?

ANSWER

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

(a) & (b) NCERT has conducted a rapid survey with the aim to analyze the pros and cons of online/digital learning, and to assess the readiness of stakeholders to embrace the new opportunities and face the challenges while working in the new normal. This comprised of three questionnaires one each for students, parents and teachers. Regarding effectiveness of online mode (new normal in education) over traditional mode (face to face) as indicated by survey, this rapid survey revealed that 56 % teachers felt online classes have increased students' participation and teacher support during the pandemic times, and it provides flexibility in designing learning situations (49.2%), convenience in terms of time and space (47.3%) and, cost effective mode (22.9%) of teaching learning. Not agreeing fully with the teachers' opinion, 34% parents opined that children 'learn less in online/digital education', while 28.6% were of the view that it is convenient to attend online classes and 22.4% thought children learn at their own-pace during online classes. Class 6 to 12 students (41.8%) found online classes were 'interesting'.

As per the National Achievement Survey (NAS) 2021, about 72% of sampled children had access to digital devices at home. 45% of the sampled children found learning to be joyful during pandemic and about 38% faced difficulty in learning. The NAS 2021 National report is available at : https://ncert.nic.in/pdf/NAS/NAS21_NRC.pdf

The Ministry of Education through National Council of Educational Research and Training (NCERT) had conducted a survey related to online teaching learning in Kendriya Vidyalaya Sangathan (KVS), Navodaya Vidyalaya Samiti (NVS) and Central Board of Secondary Education (CBSE) schools. Based on the outcomes of the survey, Learning Enhancement Guidelines have been issued, which may be accessed at the following links:

https://www.mhrd.gov.in/sites/upload_files/mhrd/files/Learning_Enhancement_0.pdf

Online classes are being conducted at the schools by employing various digital tools in the form of DIKSHA portal (<https://diksha.gov.in/>), SWAYAM Portal (swayam.gov.in), e-Pathshala. (<https://epathshala.nic.in/>).

A total of 1,20,614 ICT Labs, 82,120 Smart Classrooms and 14,90,305 TABs to teachers have been sanctioned under Samagra Shiksha. The State/UT wise data regarding availability of infrastructure like internet and computers is available at serial No. 33 (Id 3106) and 34 (Id 3109) respectively under the sub-heading **Infrastructure** of which the UDISE++ link has been provided herewith: <https://dashboard.udiseplus.gov.in/#/reportDashboard/sReport>

BharatNet project by Department of Telecommunications is to create a network to connect Gram Panchayats (GPs)/ villages across the country with broadband in a phased manner. This infrastructure is leased to Telecom Service Providers /Internet Service Providers for providing Internet connectivity in GPs / rural areas, including villages, government institutions, schools and private areas.
