No/CBSE/SE/2025/   Date: 01.04.2025

To

Heads of all institutions affiliated to CBSE

Sub: Invitation for CBSE School Principals to join session on IT, STEM Education and Enhancing teaching and learning through Virtual Laboratory experience – reg.

CBSE in collaboration with IIT Bombay is going to organize an awareness program to promote innovation in education to enhance teaching and learning methodologies through the use of Virtual Laboratories. The main objective of the session is to empower educators and students by equipping them with the latest advancements in technology-based learning.

The details of event are as under:

Venue	SNBP International School, Morwadi, Sant Dnyaneshwar Nagar, Mhada Colony, Pimpri, Maharashtra – 411018
Date	26th April 2025 (Saturday)
Time	10:00 AM

Background

This event will introduce principals to the powerful potential of open-source software to enhance the teaching-learning process. The session will focus on cost-effective and impactful digital resources that align with the NEP 2020 objectives, and will also cover:

1. Hands-on coding and skill-based courses for students, designed to meet the NEP guidelines.
2. Capacity-building programs for teachers to enhance their skills in ICT.
3. Cutting-edge IT skills through over 60+ Spoken Tutorial courses, covering coding languages like Python, Java, HTML, as well as animation, video editing, and more.
4. Covers STEM Educations and offering a virtual lab experience using Spoken Tutorial E Learning Platform which is also available on the SWAYAM website. Refer the link - https://swayam.gov.in/explorer?searchText=spoken+tutorial
5. Explore Chem Collective Virtual Labs from Spoken Tutorial for practical Chemistry Lab Experience. Also, Geo Gebra for Mathematics, Apps on Physics for Physics, Jmol Application for Chemistry.

Agenda Highlights

1. **Keynote Session**: The Importance of IT, STEM, and Skill-Based Learning in Preparing Students for the Future.
2. **Hands-On Training**: Demonstration by the experts using software such as Geo Gebra and Jmol Application.
3. **Success Stories**: Case studies of schools successfully implementing Spoken Tutorial resources.

'शिक्षा सदन' 17, राऊज़ एवेन्यू, इंस्टीट्यूशनलएरिया, नई दिल्ली–110002
***'Shiksha Sadan'*, 17, Rouse Avenue, Institutional Area, New Delhi – 110002**

फ़ोन/Telephone: 011-**23216963, 23214737** वेबसाइट/Website :http://www.cbseacademic.nic.inई–मेल/e-mail:,directorvoc.cbse@gmail.com.

Benefits for Participants

1. Exposure to globally recognized open-source tools.
2. Experience with Virtual Laboratories and their application in teaching.
3. Practical insights into IT and STEM Education implementation in classrooms.
4. Networking opportunities and guidance from experts at IIT Bombay and fellow educators.
5. Certificates of Participation for all attendees.

Therefore, it is requested to school principals to confirm participation and complete the registration form using the link https://forms.gle/UjcgE37VQtS1hQnB7 . OR scan the QR code for submitting participation.

Please note - The last date for registration is **21.04.2025.**

-No TA/DA would be paid for attending the event.

For any queries or clarifications, feel free to contact IIT Bombay at nidhi.stiitb@gmail.com, 91-7620342691.All affiliated schools must avail this unique opportunity and participate actively in this awareness program.

Director (Skill Education)

Copy to the respective Heads of Directorates, Organizations, and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction.

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18, Institutional Area, Shaheed Jeet Singh Marg, Delhi-110016

2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida-201309.

3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110054

4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector- 9 Chandigarh - 160017

5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737101

6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar - 791 111

7. The Director of Education, Govt. of Andaman & Nicobar Islands, Port Blair – 744111

8. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini, New Delhi

9. The Secretary, Sainik Schools Society, Room No.101, D-1 Wing, Sena Bhawan, New Delhi

10. The Additional Director, General of Army Education, A – Wing, Sena Bhawan, DHQ, PO,New Delhi – 110001

11. The Secretary, AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202,Shankar Vihar (Near APS), Delhi Cantt – 110010

12. The Secretary, Eklavya Model Residential Schools (EMRS), Ministry of Tribal Affairs, Government of India.

13. The Chairman, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra,PO Sainik School Nayapalli, Bhubaneswar, Odisha-751005.

14. The Deputy Secretary to Chairperson, CBSE - for kind information of the Chairperson, CBSEAll the Heads of Department of the Board.

15. All the Regional Directors/Regional Officers/Head-COEs, CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions for compliance.

16. Deputy Secretary (Media & Public Relations), CBSE for wider publicity of the notification

17. Under Secretary (IT), CBSE, Rouse Avenue with the request to upload this notification on the CBSE Academic website.

18. Incharge, Hindi Cell, CBSE HQ – for Hindi Translation of this notification

Director (Skill Education)