CBSE/DIR./SE&T/AI/2020   06.08.2020

NOTIFICATION

Capacity Building Programmes for teachers teaching Artificial Intelligence in Class IX in online mode through webinars in collaboration with Intel

Greetings from CBSE!

CBSE in collaboration with Intel is organizing **Capacity Building Programmes for teachers teaching Artificial Intelligence to class IX in online mode through webinars of three-day duration each.**

The schools who have applied to introduce Artificial Intelligence as a skill subject in their schools from session 2020-2021 onwards should nominate their teachers to attend these webinars as per the following schedule:

S. No.	BATCH	DATE	TIMINGS	LINK FOR REGISTRATION
1	I	11th August to 13th August 2020	10:00 AM - 01:00 PM	
2	II	18th August to 20th August 2020	10:00 AM - 01:00 PM	https://bit.ly/ocbpixcbse
3	III	8th September to 10th September 2020	10:00 AM - 01:00 PM	
4	IV	22nd September to 24th September 2020	10:00 AM - 01:00 PM	

Please note that

➢ The agenda/schedule of these Capacity Building Programmes is attached at Annexure A.

➢ Each CBP shall be of three-day duration and shall be held on weekdays only.

➢ There is no fee for attending these programmes.

➢ The invitation link for the respective webinar shall be emailed to the selected teachers on the email id provided at the time of registration.

For more queries and feedback, the schools may contact the following:

• **From CBSE**: Joint Secretary, Skill Education at jsse.cbse@gmail.com

• **From Intel India:** *Mr. Shivam Agarwal* at ai4cbse@gmail.com

(Dr. Biswajit Saha)
Director (Training and 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 A&N Islands, Port Blair - 744101
8. The Director, Central Tibetan School Administration, ESSESS Plaza,Community Centre,Sector 3,Rohini
9. The Additional Director General of Army Education,A–Wing,Sena Bhawan,DHQ, PO,New Delhi-110001
10. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010
11. All Regional Directors/Regional Officers of 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.
12. All Director/Heads/ In-Charges, COEs of the Board with request to disseminate the information
13. All Joint Secretary/Deputy Secretary/Assistant Secretary, CBSE
14. In charge IT Unit with the request to put this circular on the CBSE Academic website
15. The Public Relations Officer, CBSE
16. PS to Chairperson, CBSE
17. SPS to Secretary, CBSE
18. SPS to Controller of Examinations, CBSE
19. SPS to Director (Information Technology), CBSE
20. SPS to Director (CTET)
21. SPS to Director (Edusat)
22. SPS to Director (Academics) CBSE.
23. SPS to Director (Professional Exam), CBSE
24. SPS to Director (Skill Education), CBSE

Director (Training and Skill Education)

' शक्षा सदन',17 , राऊज़ एवेन्यू ,इंस्टीटूशनल एरिया, नई दिल्ली – **110002**
'Shiksha Sadan', 17, Rouse Avenue, Institutional Area, New Delhi – **110002**

फ़ोन/Telephone: 011-23216963, 23214737 वेबसाइट/ Website: www.cbseacademic.nic.in ई/मेल-e-mail: dirtraining.cbse@gmail.com, directorvoc.cbse@gmail.com.

Capacity Building Programmes for teachers teaching Artificial Intelligence in Class IX in online mode through webinars

SCHEDULE

DAY	DURATION	TOPICS TO BE COVERED

DAY 1	3 hours	❖ Introduction (Address by CBSE & Intel Officials)
		❖ Unit 1.1: Excite
		  ➢ Introduction to AI
		  ➢ AI Quiz
		  ➢ Letter to future Self
		  ➢ Dream Smart Home
		❖ Unit 1.2: Relate
		  ➢ Floor Plan Activity
		  ➢ Creating a story (Inklewriter)
		❖ Unit 1.3: Purpose
		  ➢ Sustainable Development Goals
		❖ Unit 1.4: Possibilities
		  ➢ Research on Current AI Trends
		  ➢ Job Ad

DAY 2	3 hours	❖ Unit 1.5: AI Ethics
		  ➢ Discussion
		  ➢ Explanation of Balloon debate
		❖ Unit 2.0: AI Project Cycle
		  ➢ Introduction
		❖ Unit 2.1: Problem Scoping
		  ➢ 4Ws Problem Canvas
		  ➢ Problem statement Template
		❖ Unit 2.2: Data Acquisition
		  ➢ What is Data Acquisition
		  ➢ Data Features
		  ➢ System Maps
		❖ Unit 2.3: Data Exploration
		  ➢ Introduction
		  ➢ Sketchy Graphs
		❖ Unit 2.4: Modelling
		  ➢ AI, ML & DL
		  ➢ Modelling
		  ➢ Rule Based Approach

DAY 3	3 hours	❖ Unit 2.4: Modelling
		  ➢ Learning Based Approach
		  ➢ Decision Tree
		  ➢ Pixel it
		❖ Unit 3.0: Neural Network
		  ➢ Neural Networks defined
		  ➢ Neural Network vs. Human Nervous System
		  ➢ Human Neural Network
		❖ Q&A Session