



CBSE  
Training Unit

## GUIDELINES – 2026

### District Level Deliberations on CT & AI (Workshop) – **Activity 1**

**(Reference: CBSE Training Notification No. TRG- 02 dated 09.04.2026)**  
Training Theme for the Session 2026-27 : ‘Computational Thinking and Understanding AI’

**NEP para 4.25.** *It is recognized that mathematics and mathematical thinking will be very important for India’s future and India’s leadership role in the numerous upcoming fields and professions that will involve artificial intelligence, machine learning, and data science, etc. Thus, mathematics and computational thinking will be given increased emphasis throughout the school years, starting with the foundational stage, through a variety of innovative methods, including the regular use of puzzles and games that make mathematical thinking more enjoyable and engaging.*

Computational Thinking (CT) and Artificial Intelligence (AI) are becoming foundational skills for learners in the 21st century, determining how knowledge is acquired and problems are solved. As CBSE introduces CT and AI at the **Preparatory and Middle Stages**, district-level deliberations (DLDs) by schools hold immense significance in

Embedding Computational Thinking (CT) and Artificial Intelligence (AI) across the curriculum to strengthen teacher readiness.	Providing teachers with a space to explore pedagogical approaches, share best practices, and address classroom challenges.	Enabling teachers to foster critical thinking, creativity, and problem-solving skills in students through CT, while cultivating an informed and ethical understanding of AI.	Building a repository of replicable strategies and practices, and enhancing collaborative professional learning across schools.
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What CT & AI – DLD Workshop is:	A voluntary forum for substantive discussion on CT and AI (sub themes) as part of mutual learning endeavours. These deliberations can be organized in each district. Group of schools can come together or the Sahodaya School Complex can organize these deliberations in the form of Workshop in <b>offline mode</b> . <i>(It is NOT an exhibition of projects, but showcasing of innovative practices in integrating/embedding CT &amp; AI across curriculum)</i>
Purpose	<ol style="list-style-type: none"> <li>1. Build a foundation for CT &amp; AI Literacy among teachers and schools.</li> <li>2. Ensure progressive integration across Grade 3-8 consistent with NEP 2020, NCFSE 2023.</li> <li>3. Encourage interdisciplinary connections, ethical awareness, and innovation in CT&amp;AI education.</li> <li>4. Provide a platform for presentation of best practices, discussions, expert-led sessions on CT &amp; AI.</li> </ol>
Topics for DLDs	DLDs can be organized on any of the following sub themes: <ol style="list-style-type: none"> <li>1. Foundations of Computational Thinking (CT) and AI Readiness</li> <li>2. From Play to Abstraction: Progressive Pedagogy for Computational Thinking (Gr 3 to 8)</li> <li>3. Mathematics as the Cornerstone of Computational Thinking and AI Readiness</li> <li>4. Interdisciplinary Connections: Computational Thinking Across Subjects at Middle Stage</li> <li>5. AI in Real-World Contexts</li> <li>6. Assessment and Pedagogy in CT and AI</li> <li>7. Ethics and Responsible Use of AI</li> </ol>
Volunteer / Host (Lead School)	<ol style="list-style-type: none"> <li>1. Any affiliated school intending to conduct CT &amp; AI-DLD is termed as <b>Lead School</b>.</li> <li>2. Any affiliated school can volunteer to be a Lead School and host a 1-Day DLD in consultation with the DTC/DDTC/Sahodaya Functionaries.</li> </ol>
Mode & Duration	Offline Only (1-Day: Counted as 6 CPD Hours of School based CPDs)
Format for CT&AI -DLD Workshop	<ol style="list-style-type: none"> <li>1. Presenting Case Papers on best/ innovative practices in teaching/ integration of CT &amp; AI across grades (3-8) and holding active discussion.</li> <li>2. <b>Focus:</b> Peer learning, showcasing best/innovative practices, collaborative discussions.</li> <li>3. Participants are active creators.</li> </ol>

How many DLDs in a district	In one district, more than one DLD can be organized on a different topic targeting different group of teachers and at a different venue.
DLDs Start date	DLDs can be organised from <b>April 2026</b> onwards.
<b>CT &amp; AI - DLD Workshop (Modalities)</b>	
Role of Lead School	<ol style="list-style-type: none"> <li>1. Lead School, in consultation with DTC/ DDTC/ Sahodaya functionaries, select <b>three to four topics</b> from the enlisted sub themes.</li> <li>2. Reach out to schools with the help of DTC/DDTC/Sahodaya functionaries and inform about the workshop to be organised on selected topics and fix date for the same</li> <li>3. Articulate the objectives of the event with ref. to CBSE Notification 02 dated 09.04.2026.</li> <li>4. Ensure fairness, inclusivity, and diversity of topics.</li> <li>5. Send invites to local schools and encourage principals to nominate teachers and present their best practices in the form of case papers on CT &amp; AI. Share format for case papers (<b>Format F1</b>) to the schools along with the invite.</li> <li>6. Form an <b>Appreciation Committee (AC)</b> in consultation with the DTC/DDTC/Sahodaya comprising (1 External CT/AI Educator (Expert) from College /University + 2 Principals / Teachers (not participating in the DLD) having experience in teaching/training in CT/AI.</li> <li>7. Conduct, facilitate the workshop and allow healthy discussions to foster in-depth conversation and collaborative brainstorming/ learning on the selected topic.</li> <li>8. Document key takeaways from the programme and prepare a report as per <b>Format F2</b>.</li> <li>9. Share the report with the concerned CoE under intimation to the DTC / Sahodaya.</li> <li>10. Share the key takeaways with the participating schools. Also, urge them to maintain the record of their participating teachers.</li> <li>11. Host /Lead School or group of schools to bear the expenses. Being an academic event, expenses may be kept minimum as deemed reasonable.</li> <li>12. Run the event paperless. Keep minimum print copies for record.</li> </ol>
Arrangements	<ol style="list-style-type: none"> <li>1. A hall/room equipped with presentation aids.</li> <li>2. Assign someone to record the proceedings for documentation.</li> <li>3. Photographs of the workshop may be taken and reported in local daily and with the CoE.</li> </ol>
No. of Participants per programme	Should be around <b>40</b> . Participants must present the case papers from an outcome perspective.
Duration of Presentations	Each Case Paper Presenter representing her/his school will have <b>25 minutes for presentation</b> (20 minutes explanation + 5 minutes Q&As).
Total Presentations	Maximum <b>16 presentations</b> (16 presentations × 25 Minutes = 6 hours 40 minutes)
Evaluation of Papers	<p>Appreciation Committee (AC) will</p> <ul style="list-style-type: none"> <li>• evaluate the case paper presentations as per the criteria defined in <b>Format F4</b></li> <li>• select <b>3 Best Case Papers</b> and prepare report as per the <b>Format F4</b></li> <li>• share the report along with the selected 3 Best Case Papers with the concerned CoE on Google Drive with the help of the host school.</li> </ul>
Role of DTC/ DDTC/ Sahodaya Functionaries	<ol style="list-style-type: none"> <li>1. Hold discussions with schools in the district and identify the willing Lead School(s) to organize DLDs in the district throughout the academic session (2026-27).</li> <li>2. Finalize the sub-themes/topics, date, venue, participants in consultation with the Lead School(s) and others for all the DLDs to be organized throughout the academic session (2026-27).</li> <li>3. Compile details of DLDs and share the same with CoE as per format shared by CoE.</li> <li>4. Coordinate with the Lead School at every stage for smooth and fair conduct.</li> <li>5. Share <b>Format F1</b> with the Lead School for onward sharing to schools for Case Paper submission in a structured manner.</li> <li>6. Encourage schools to present case paper on best practices in CT &amp; AI.</li> <li>7. Facilitate Lead School in forming Appreciation Committee.</li> <li>8. Ensure gender balance, inclusivity and fair opportunity to all as far as possible.</li> <li>9. Facilitate the workshop, allow healthy discussions, and collaborative learning/brainstorming.</li> <li>10. Facilitate the Lead School in report preparation of the Workshop as per the <b>Format F2</b>.</li> <li>11. Help Lead School maintain records of sessions.</li> <li>13. Facilitate the Appreciation Committee for evaluation of the case paper as per <b>Format F4</b> and selection of three best case papers.</li> <li>14. Facilitate in forwarding the best 3 case papers soon after the workshop to the CoE.</li> </ol>
Role of Head, CoE	<ol style="list-style-type: none"> <li>1. Encourage DTCs/DDTCs/Sahodaya Functionary for DLDs in their district.</li> <li>2. Encourage diverse sub-themes and target different stages- preparatory/middle.</li> <li>3. Solicit district-wise DLD proposals from DTCs/DDTCs/Sahodaya using Google Form (to be sent by HQ)</li> </ol>

	<p>4. Plan for <b>Six Months</b> be shared in excel (below) with HQ Training Unit by <b>May 1, 2026</b> at email id <a href="mailto:dldctandai@gmail.com">dldctandai@gmail.com</a></p> <table border="1" data-bbox="453 199 1463 333"> <thead> <tr> <th>CoE</th> <th>State/UT</th> <th>District</th> <th>Month</th> <th>Date</th> <th>Duration</th> <th>Venue</th> <th>Topic for the DLD Workshop</th> <th>Target Group</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>5. Collate the best case papers district-wise till <b>Sept. 30, 2026</b>. Categorise them sub-theme wise, share the monthly data in excel (<b>Format F3</b>) with HQ at <a href="mailto:dldctandai@gmail.com">dldctandai@gmail.com</a> (Monthly data to be shared within the first week of the subsequent month).</p> <p>6. Ensure that all the sub-themes are covered through the planned DLD programmes across the region and teachers teaching at preparatory and middle stage are targeted.</p>	CoE	State/UT	District	Month	Date	Duration	Venue	Topic for the DLD Workshop	Target Group																		
CoE	State/UT	District	Month	Date	Duration	Venue	Topic for the DLD Workshop	Target Group																				
<p>Role of the HQ Training Unit, and Papers for National Teachers' Conference</p>	<p>1. With a view to promote an outcome-oriented endeavours in schools, the papers for the National Teachers' Conference (NTC) 2026 would be picked up from amongst the best papers in the CT &amp; AI-DLD workshops held at district level.</p> <p>2. Best case papers from different districts would be examined (sub-theme wise) by an Expert Committee to select the final papers for presentation in the NTC 2026.</p> <p>3. Final results would be announced one or two weeks before the conference dates.</p> <p>4. The three best case papers in each sub-theme will be considered. 1<sup>st</sup> best case paper will qualify for presentation in NTC-2026. 2<sup>nd</sup> &amp; 3<sup>rd</sup> best will have poster presentation in NTC.</p> <p>5. Evaluation criteria at the national level remain the same as stated in the <b>Format F4</b>.</p>																											

By following these guidelines, deliberations on CT & AI topics can be an effective tool for enhancing professional growth of teachers, fostering collaboration, and enhancing the quality of interventions taken to implement CT & AI across schools. These sessions should be viewed as opportunities for massive sensitization and awareness drive for teachers to learn from each other, share ideas, and work together to foster the foundational skills of CT & AI among the students as have been highlighted in the CBSE Training Notification No TRG-02 Dated 09.04.2026.

**FORMAT F1**  
**TEMPLATE FOR CASE PAPER SUBMISSION FOR CT & AI – DLD**

Teachers can present innovative/best practice that has been successfully implemented in the classroom or school and demonstrated clear outcomes in enhancing CT and/or AI competencies among students. Practices could be integrating pattern recognition, abstraction, and algorithm design into math, science, and language lessons, encouraging students to design real-world projects using CT & AI concepts/skills. (To be carefully read, noted and adhered to by Teachers.)

- 1. Case Paper Presenter Details**
  - a. Name of the Presenter(s):
  - b. School Name:
  - c. Address of the School:
  - d. School Affiliation Number:
  - e. State/UT:
  - f. Concerned CoE:
  - g. Contact Details of the Presenter:
  - h. Date:
- 2. Title of the Practice**
  - a. Provide a concise, clear, descriptive title
  - b. Corresponding Sub-Theme (as notified in Notification no. TRG- 02 dated 09.04.2026)
- 3. Background/Context**
  - a. Problem or need or challenge addressed
  - b. Target group and timeline
- 4. Objectives**
  - a. Learning outcomes targeted
  - b. CT & AI competencies focused
- 5. Methodology**
  - a. Pedagogical approach – describe teaching strategy used (e.g., inquiry-based, project-based)
  - b. Role of teachers – how teachers facilitated, guided, or scaffolded learning
  - c. Role of students – student participation, ownership, etc.
  - d. Curriculum integration – alignment with curriculum
- 6. Description of the Practice/Implementation Process**
  - a. Step-by-step description of activities, and description of materials/tools and strategies used
- 7. Evidence-Based Impact**
  - a. Student learning outcomes (data, assessment results)
  - b. Testimonials, student products or outcomes and skill development
  - c. Student Engagement or behavior changes
- 8. Novelty and Relevance**
  - a. Unique aspects of the practice
  - b. Connection to real-world problems or current trends
- 9. Inclusivity and Equity**
  - a. Participation of diverse student groups
  - b. Gender balance, students with disabilities, underrepresented groups
- 10. Scalability and Replicability**
  - a. Potential to implement in other schools
  - b. Necessary conditions for replication
  - c. Documentation available
- 11. Sustainability and Cost Effectiveness**
  - a. Long-term viability
  - b. Budget and cost-saving methods
  - c. Use of local or low-cost materials
- 12. Learnings and Reflections**
  - a. Challenges faced and solutions
  - b. Key insights and improvements for the future
- 13. Conclusion**
  - a. Summary of impact
  - b. Future vision or next steps
  - c. Questions/feedback welcome
- 14. Optional Add-ons**
  - a. Include QR codes linking to videos/blogs/portfolio
  - b. Attach sample student work or photos

## FORMAT F2

### Reporting the conduct of CT & AI-DLD Workshop by the Lead School and DTC/Sahodaya Functionary

Month: .....

District Name: ..... State/UT: ..... Date: .....

1. Host/Lead School Name: .....
2. Chosen Sub-Theme(s) for the DLD Workshop:
  - a. ....
  - b. ....
  - c. ....
  - d. ....

3. List of Case Paper Presentations and deliberations

S.No.	Presenter's Name	School Name	Sub-Theme	Title of the Case Paper	Timing	Session Moderator
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

4. Details of the Appreciation Committee formed for shortlisting three best case papers

S. No.	Name	Designation	School/Organisation	Email id	Mobile No.
1					
2					
3					

5. Details of the 3 best case papers recommended by the Appreciation Committee

S. No.	Title of the Case Paper on the Best Practice	Sub-Theme	Presenter	Designation	School	Email id of the Presenter	Mobile No. of the Presenter	Link of the Case Paper

6. Glimpses of the DLD: (4-5 captioned photos showcasing key moments of the workshop)
7. Overall impressions: (4-5 lines as to how the participants and the presenters felt about the event and the way forward)
8. Declaration: The Host School/Organiser jointly confirm the successful conduct of the event adhering to the guidelines issued by the Board.

**Host School Principal Name:** .....

Designation: .....

Contact: [Email/Phone]

**DTC/DDTC/Sahodaya Functionary:** .....

Designation: .....

Contact: [Email/Phone]

Date of Submission to the CoE: .....

### FORMAT F3

#### For Compiling Monthly Best Case Papers District-Wise (CT & AI DLD) (To be prepared by the CoE)

Centre of Excellence: .....

Month: .....

(Monthly Reports received from various Districts through respective DTC/Sahodaya Functionary to be compiled and data of the Best Case Papers be shared in excel format with the Training Unit, HQ at email [dldctandai@gmail.com](mailto:dldctandai@gmail.com) as per format below)

SN	District	Venue (Lead School Name & Address)	Presenter	Designation	School & Address	Email id	Mo bile No.	Title of Case Paper	Sub-Theme	Link of the Case Paper
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
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21										
22										

CoE has checked the correctness in respect of the data of the best case papers **district wise** and found correct for forwarding to the Training Unit, CBSE HQ for further action.

**Authenticated by the Head, Centre of Excellence**

## FORMAT F4

### Evaluation Sheet (Rubrics) for scoring and adjudging the Best THREE Case Papers in CT & AI DLD Workshop (To be filled in by the Appreciation Committee)

District: .....

Venue: .....

Date: .....

S. No.	Presenter	School Name	Sub-Theme (Title of the Case Paper)	Criteria for Scoring										
				1. <b>Demonstrated Impact:</b> Paper demonstrates data driven and evidence supported outcomes (30 Marks) 2. <b>Novelty:</b> Incorporates innovative ideas, methods, or technologies (10 Marks) 3. <b>Relevance:</b> Aligns with curriculum goals and addresses real-world CT & AI issues (10 Marks) 4. <b>Methodology:</b> Uses sound pedagogy (e.g. Inquiry/project-based learning) with clear structure (10 Marks) 5. <b>Inclusivity:</b> Promotes access, engagement for diverse student populations (10 Marks) 6. <b>Scalability:</b> Can be expanded to more students, grades, or schools (10 Marks) 7. <b>Replicability:</b> Can be adopted by other schools with similar success (10 Marks) 8. <b>Sustainability:</b> Designed for long-term implementation and integration (5 Marks) 9. <b>Cost-Effectiveness:</b> Achieves Cost-Effectiveness outcomes efficiently with reasonable resources (5 Marks)										
				1	2	3	4	5	6	7	8	9	Total Score out of 100	
				30	10	10	10	10	10	10	10	5	5	
1														
2														
3														
4														
5														
6														
7														
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15														
16														

Based on the scores above, the best three Case Papers are as below:

1. ....Score:..... (S.No.....)
2. ....Score:..... (S.No.....)
3. ....Score:..... (S.No.....)

Name: .....

**(Member 1)**

Appreciation Committee

Designation: .....

Email: .....

Mobile No.: .....

Name: .....

**(Member 2)**

Appreciation Committee

Designation: .....

Email: .....

Mobile No.: .....

Name: .....

**(Member 3)**

Appreciation Committee

Designation: .....

Email: .....

Mobile No.: .....

**Countersigned by:**

DTC/DDTC/Sahodaya Functionary .....

(Name and Designation)