



CBSE/DIR (SE&TRG)/2019/

Date: December 16, 2019
Circular No.: ACAD-80/2019

Subject: Expression of Interest from schools for contribution of e-content on Vidya Daan for teacher and student enablement program

1. Vidya Daan, a program based on donation of e-content by teachers, is an initiative by CBSE to synergize countrywide efforts on content development for providing schools and teachers in urban and rural areas with good quality e-content that can be used anytime, anywhere at no cost. Vidya Daan was launched on 12th September 2019 by Hon. Minister of HRD, Shri Ramesh Pokhriyal. E-content for grades 6th to 10th has been sourced from CBSE Schools for English, Hindi, Math, Science, and Social Science subjects on Vidya Daan. The content sourced from the schools has been organized on DIKSHA platform as per the table of contents in NCERT textbooks for easy discovery and consumption.
2. One can visit www.diksha.gov.in/cbse to view and play content for their grade and subject or download DIKSHA App from the playstore. An explanatory video that gives details of Vidya Daan can be accessed from the following link: <https://youtu.be/6QIFkw78JuM>. **As on date, there are approximately 6000 content pieces on Vidya Daan which are being used by teachers and students across the country.**
3. It has been decided to launch the second phase or Vidya Daan 2.0. by CBSE. In the second phase of this initiative, Vidya Daan 2.0, aims for the following:
 - Students to better understand and apply their knowledge of the concepts and topics to life experiences.
 - Teachers to be able to prepare better and teach better through activity and experiential based teaching and learning.
4. In this context, CBSE is reaching out to esteemed panel of schools such as yours to support in improving the existing e-content and/or replacing the existing content with high quality content on Vidya Daan. We wish to leverage the expertise you have within your institution to contribute content which can then be utilized by all the CBSE schools in the country.
5. The scope for contribution towards Vidya Daan 2.0 is as follows:
 - Grades- 1st to 12th
 - Subjects- Core Subjects - Aligned to NCERT textbooks (mentioned below)
 - Medium- English
 - Content Type – as detailed below
6. Schools can express their interest in contributing to Vidya Daan 2.0 by submitting sample pieces of content as per methodology mentioned below. You may select a subject-grade combination and then also identify the chapter in the concerned NCERT book that you will be interested to contribute for.

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Website: www.cbse.nic.in

7. For the subject-grade combination selected, it is mandatory to contribute all the following resources for each chapter selected by you:
 - a. **Learning Outcomes:** Clear set of Learning Outcomes containing both, the action verb as well as the observables and/or measurables.
 - b. **Lesson Plans:** Enable teachers to plan the flow of their classes
 - c. **Experiential Content:** Experiential activities that relate to the understanding of the concept at hand that requires zero resources from outside the classroom/school, showing relation to other concepts across different subjects/disciplines wherever possible.
 - d. **Explanation content:** To help students understand concepts better (Videos and presentations)
 - e. **Innovative content to explain Hot spots:** For each chapter identify the hard spots (deliberately named Hot Spots to make them non-threatening for students) from your experience, and give creative content to explain the same to students
 - f. **Measuring attainment of LOs:** Sets of questions and answers (from both, LOTS and HOTS categories) to measure the attainment of each of the stated Learning Outcomes
 - g. **Question Bank:** Sets of competency-based items based on application of concepts to real life situations, with the aim of developing critical thinking and problem-solving skills and to enable more practice in schools and at home.
 - h. **Curiosity Questions:** Questions regarding the concept learned, that may even cut across disciplines, and which create curiosity amongst the students before beginning a topic
 - i. **Mind Maps/Concept Map:** To provide a summary view of the chapter/concept
 - j. **PowerPoint presentation:** A presentation summarizing the learnings of the whole chapter that can be used by teachers in class or by students at home to recall their learnings.
8. **Optional Resources** (particularly for Math's, Science, Languages and Social Studies) that can be contributed for each chapter of NCERT textbooks include:
 - a. List of links of free internet resources regarding the topic/concept, if any.
 - b. Augmented Reality and Virtual Reality: To give students an experience of certain concepts
 - c. If the schools have any additional resources for a textbook other than those mentioned in serial number 8 above, they may please share the same.
9. **Technical Requirements**
 - a. Video formats supported on the platform are MP4 and WebM
 - b. Document formats supported on the platform are PDF and EPub
 - c. PDF content must be in noto-sans fonts (of different languages)
10. The sample content shared by schools will be reviewed by the Board and if found suitable, CBSE will reach out to select schools for contributing to Vidya Daan 2.0.

CBSE would duly recognize the effort of schools and teachers contributing to Vidya Daan in the following manner:

- a. Certificate to all participating schools
- b. Award to school(s) for maximum contribution
- c. Certificate to individual teacher(s) for significant contribution of content
- d. Teacher(s) contributing significant number of content pieces will get weightage that will be considered for national awards such as CBSE teacher awards.

To express your interest in contributing towards Vidya Daan 2.0, please share your details (format attached as *Annexure A* of the letter) via email to aishwarya@teamdiksha.org by 23rd December 2019.

Regards and Best Wishes,


(Anita Karwal)
Chairperson, CBSE

To,

All Principals/Headmasters
CBSE Affiliated Schools

Annexure A:

Form for confirmation of participation in content contribution for Vidya Daan 2.0

School Name:

Address:

Name of point of contact (POC):

Contact Number of POC:

E-mail ID of POC:

Please select the subjects grades combination for which you will be contributing content

Grade	Stream	NCERT Textbooks				
1	General	English	Maths	Hindi		
2	General	English	Maths	Hindi		
3	General	English	Maths	EVS	Hindi	
4	General	English	Maths	EVS	Hindi	
5	General	English	Maths	EVS	Hindi	
6	General	English	Maths	Science	Social Studies	Hindi
7	General	English	Maths	Science	Social Studies	Hindi
8	General	English	Maths	Science	Social Studies	Hindi
9	General	English	Maths	Science	Social Studies	Hindi
10	General	English	Maths	Science	Social Studies	Hindi
11	Science	English	Maths	Biology	Physics	Chemistry
11	Commerce	English	Business Studies	Accountancy	Economics	Statistics
11	Arts	English	History	Psychology	Sociology	Geography
12	Science	English	Maths	Biology	Physics	Chemistry
12	Commerce	English	Business Studies	Accountancy	Economics	Statistics
12	Arts	English	History	Psychology	Sociology	Geography

A sample digital content file containing each type of mandatory content listed below for one entire chapter, along with its tagging to grade, subject and chapter name (as per NCERT textbook) is attached with this EOI.

Tagging		
1.	Subject	
2.	Grade	
3.	Chapter number of NCERT Textbook	
4.	Title of chapter from NCERT textbook	
List of contents attached		Please tick the boxes where content is attached*
5.	Learning Outcomes	
6.	Lesson plans	
7.	Experiential content	
8.	Explanation content	
9.	Innovative content to explain Hot spots	
10.	Measuring attainment of LOs	
11.	Question Bank	
12.	Curiosity Questions	
13.	Mind Map/Concept Map	
14.	PowerPoint presentation	
Optional Resources		
15.	List of links of free internet resources regarding the topic/concept, if any	
16.	Augmented Reality and Virtual Reality	
17.	Additional resources by school	

Please note: If any of the boxes in serial numbers 1 to 14 are left blank, the Board will not be able to take your application further

**Please view Annexure B for technical guidelines.*

I hereby express willingness on behalf of the school, to participate in Vidya Daan 2.0, by donating e-content in accordance to the guidelines for Vidya Daan 2.0 and permit CBSE to upload the same on DIKSHA platform in public domain as a free resource.

I hereby affirm that I have gone through the attached guidelines on plagiarization and self-certification and I affirm that I shall abide by it if content submitted by me is selected for Vidya Daan 2.0.

Name of principal:

Signature of principal:

Date:

Place:

Annexure B:
GUIDELINES

A. Guidelines for Writing Learning Outcomes

- The ideal learning outcome has the following elements:

- o Action Verb
- o 'In Order to' (why)

§ Sample: Deduce that the solar system was a single formation event from the patterns of the moon, planets, comets, asteroids, and other bodies in the universe

§ Students will compare the characteristics of the three types of rocks to differentiate among the three.

B. Guidelines for Lesson Plans

- Your contributed lesson plan should be mapped to a chapter mentioned in the table of contents of the selected book in the contribution tool. In case, you have more than 1 lesson plan for that chapter, please upload all against the same topic.
- A Lesson Plan should have a minimum of clear objectives, “how to” teach and practice questions/assessments.
- Remove any external web-links that may be present in the lesson plan.
- Remove personally identifiable information like name, address, phone number, email from the lesson plan.
- In the measuring LOs/assessment section in the lesson plan, please include the questions directly in the lesson plan and not references to books, documents or worksheets that contain the question. (e.g. avoid terms like see spiral 1, refer textbook pg. 2, Ex 1.5 Q3 etc.)
- As you start contributing your lesson plan, please have a look at a sample below:

Sample Lesson Plan 1: <https://bit.ly/2vwduJT>

C. Guidelines for Experiential Content

- An experiential content contains a real-life example of a concept that is being taught in a chapter. For example:
 - o Languages: A morale of a story or a poem can be used to ask how students would apply the same in real life
 - o Social Studies: Talking about certain events, phenomena or human-actions that have happened in the past that led to what we see today; or asking the students to get into the skin of the historical character and do a role play or speech in a given historic situation.
 - o Math: A real life application of a concept, formula, theorem or problem.
 - o Science: A real-life application/demonstration of a concept. One creative way of teaching Science to children is by engaging them in an activity where they themselves identify “science around us – in our homes/schools/daily lives, etc.”
- In case of a video, the recommended length of an experiential content should be less than 10 minutes.

- Each chapter should contain a minimum of 1 experiential content.
- Data on digital learning from DIKSHA has told us that students and teachers prefer videos over documents. In case, you are not able to create videos, but have documents (.doc) or presentations (.ppt) instead, you must convert them into a .pdf format and then upload.
- As you start contributing your experiential content, please have a look at a few samples below:
 - Sample 1: [Science](#)
 - Sample 2: [Math](#)
 - Sample 3: [Language](#)
 - Sample 4: [Social Science](#)

D. Guidelines for Explanation Content

- Content should be mapped to a chapter mentioned in the Table of content of the selected book in the contribution tool.
- If you have more than one content for the chapter, please upload them too.
- A content should show simple explanation of the topic/concept, which can be consumed by the teacher or the student to learn the topic/concept in a simple way.
- Data from digital learning on DIKSHA shows that students and teachers prefer videos over documents. In case, you are not able to create videos, but have documents(.doc) or presentation(.ppt) instead, you can also upload these converted in the pdf format.
- For video content, it is recommended that the length of the video should be under 10 minutes.
- As you start contributing content, look at some of the reference content available below:
 - Sample Content 1: <https://bit.ly/2PvYyVm> (Video)
 - Sample Content 2: <https://bit.ly/2Wd9hqN> (Video)
 - Sample Content 3: <https://bit.ly/2VDOC1T> (Video)
 - Sample Content 4: <https://bit.ly/2NSVWCE> (Video)

E. Guidelines for Hot Spots

- What is hard spot?
 1. Any topic or sub-topic in a chapter which teacher finds difficult to teach.
 2. Any topic or sub-topic in a chapter which teacher finds difficult to understand by him/herself and hence cannot teach appropriately.
 3. Any topic or sub-topic in a chapter which students find difficult to understand.
 4. Any topic or sub-topic in a chapter where students make common mistakes (because of its difficulty level or may be because of some misconceptions)

As you share your hotspot, it would be good if the following 3 characteristics can be included to make it comprehensive:

- 1. What** – Call out the hard-spot by mentioning the concept issue with which the hard-spot is associated.
- 2. Why** – Describe the problem caused by the hard-spot.
- 3. Impact** – If one is not able to learn this hard-spot, how will this affect learning of the student around this concept.

Sample 1:

- 1. Hard-spot:** Rotation and Revolution (Chapter/Topic: Solar System)
- 2. Why** – Students confused between the term's rotation and revolution, and the different circular motions between rotation and revolution. Students don't understand whether a

planet is rotating around itself or revolving around the Sun

OR As a teacher, I find it difficult to show them the difference between rotation and Revolution so that they understand how two levels of circular motions are happening in simultaneously with planets.

3. Impact – Students fail to understand the concept of day, night, time, and Solar System.

Sample 2

1. Hard-spot: Identifying the reference line while measuring an angle (Chapter/Topic: Measuring Angles)

2. Why – Students fail to measure the angles correctly. Students find it hard to differentiate between reference line and the inclined line between which the angle needs to be measured.

3. Impact – Students go wrong in measuring the angles and in identifying types of angles.

These can be written in a word document/ppt and can be shared as pdfs.

F. Guidelines for measuring attainment of LOs

- Measuring attainment of LOs should help us get a nuanced understanding of student mastery for each LO. This cannot happen by utilizing only one question mapped to a LO. Hence, mastery of learning outcome should be measured using a set of questions that range in level of difficulty
- Basis the performance of a student on a range of questions for a LO, the child can be given a score of “Not Mastered”, “Basic Mastery”, “Sufficient Mastery” and “Advanced Mastery” (attainment of LO). A student can be given one of the following scores as follows:
 - · Not mastered – all questions are solved incorrectly/ left blank
 - · Basic mastery – only LOTS were answered correctly
 - · Sufficient mastery – LOTS and mid-level questions are answered correctly
 - · Advanced mastery – LOTS and HOTS questions are answered correctly

Sample Question Set.

Grade 8, Math, Chapter 11-Mensuration

Learning Outcome: Finds surface area and volume of cuboidal and cylindrical object

Q1) Find the Total Surface Area of a cuboid with the following dimensions:

Length = 60 cm

Breadth = 54 cm

Height = 30 cm

Q2) Find the height of the cylinder whose volume is 1.54 cubic meters and diameter of the base is 140 cm?

Q3) Water is pouring into a cuboidal reservoir at the rate of 60 litres per minute. If the volume of reservoir is 108 m³, find the number of hours it will take to fill the reservoir.

G. Guidelines for Question bank

- **Guidelines**

- The set will support the required question types:
 - **MCQ:** Multiple Choice Questions: Questions of this type will support 4 answer options out of which only one will be the correct answer. Typically questions of this type appear for 1 mark in an exam
 - **VSA:** Very Short Answer: Objective questions of this type can be answered in a maximum of few words or a sentence. Typically questions of this type appear for 1 mark in an exam
 - **SA:** Short Answer: Questions of this type can be answered in 2-5 sentences. Typically questions of this type appear for 2-3 marks in an exam
 - **LA:** Long Answer: Questions of this type can be answered in more than 5 sentences. Typically questions of this type appear for 4 or more marks in an exam
- A good question consists of the following:
 - Uses simple and direct language
 - Ends with a question mark
 - Is specific
- Make sure that the question and answer is complete
- Each question set should be mapped to a chapter mentioned in the Table of content of the selected book in the contribution tool.
- There should be a minimum of 3 questions for each question type (MCQ, VSA, SA, LA).
- When writing answers, please make sure it's a complete answer (with images, if necessary) and not a reference to pages in the textbook or other external material like websites, books etc.
- As you start contributing questions and answers, look at a question set created for one chapter in grade 10 Science below:
 - Sample Q & A: <https://bit.ly/2VA1sxO>

For immediate submission of samples from your school, these can be written in a word document/ppt and can be shared as pdfs.

H. Guidelines for Curiosity Content

- A curiosity question is designed to help teachers engage the classroom in a discussion by making their students explore, think and reflect.
- Curiosity questions are always connected to a student's real-life context and could be used to explore and discuss certain phenomena, situations and emotions. By subject, examples of this may include:
 - Languages: Exploring a character's emotion or morale in a story and asking what a student might do in a similar situation or how it made them feel?
 - Science/Geography: Observing certain natural phenomena or other situations that occurs in daily life and why it happens?

- Math: Applying concepts learnt in a real-world setting. For example, asking students to estimate the length of a door using their hands.
- History: Reasoning why a certain situation may have occurred in the past and how that has influenced present day or what a student might do differently in a situation from the past?
- Answers to a curiosity question need not be definite and can remain open-ended.
- When providing answers, bullet points on how one can think about the answer is sufficient. There is no need to write an elaborate answer.
- Each chapter should contain a minimum of 1 curiosity question.
- As you start contributing your curiosity questions, please have a look at a document that contains a few questions created:
 - Sample 1: <https://bit.ly/2GFKg0B>

For immediate submission of samples from your school, these can be written in a word document/ppt and can be shared as pdfs.

I. Guidelines for Mind maps/concept maps

Mind Maps in Education and Teaching with Mind Maps Mind mapping is a beneficial learning tool to help students brainstorm any topic and think creatively. Mind maps are particularly helpful in the writing process and provide students with a natural way of thinking and building thoughts on a story plot or theme.

- Math and Science: Mind maps can help in refreshing all the concepts, formulae, laws and theorems.
- Language: Mind maps can help summarize a chapter in a quick time and highlight all the key characters, events and conclusion.
- Social Science: Mind maps can help in refreshing the entire story and sequence of events in a quick time.

Mind maps can be contributed only in the .pdf format in DIKSHA.

Please see some samples below:

- Sample 1: https://diksha.gov.in/play/content/do_3128969209050644481298
- Sample 2: https://diksha.gov.in/play/content/do_31289686606202470412331
- Sample 3: https://diksha.gov.in/play/content/do_31289690910672486412443

J. Guidelines for Ppt

PowerPoint presentations which can help a teacher, or a student summarize the entire chapter in a sequential way and can highlight important events, formulas, laws, theorems, etc. These presentations can also help in explaining the topic or a concept in a simpler way by showing diagrams, processes or concrete manipulatives.

These can be used at home by students to revise the topic quickly or can be used by teachers in the classroom.

Please see below some samples:

- Sample 1: bit.ly/2LDGJmN
- Sample 2: bit.ly/3555CPW

Though, DIKSHA do not support power points .pptx format and hence, all the ppts should be extracted as pdfs and submitted.

K. Guidelines for non-plagiarizing and self-certification

The below guidelines will be applicable if your content will be uploaded on DIKSHA.

1. You shall be solely responsible for your own Content and the consequences of submitting and publishing your Content on DIKSHA.
2. You affirm, represent, and warrant that you own or have the necessary licenses, rights, consents, and permissions to publish Content you submit; and you license to DIKSHA all patent, trademark, trade secret, copyright or other proprietary rights in and to such Content for publication on DIKSHA pursuant to these Terms.
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4. DIKSHA does not permit copyright infringing activities and infringement of intellectual property rights on the DIKSHA, and DIKSHA will remove all Content if properly notified that such Content infringes on another's intellectual property rights.
5. DIKSHA reserves the right to remove Content without prior notice. DIKSHA is not responsible for the violations of any third-party rights including intellectual property rights by any User.
6. Any violations of copyright laws will be the responsibility of the concerned Users. Any disputes will be settled by the respective parties. DIKSHA bears no responsibility for this.

L. Technical Guidelines

A. Videos

- a. The videos to be in in MP4 format
- b. The videos to be 50 MB or less
- c. Video duration to be 10 minutes or less

B. Textual Content (Documents, ppts, Images, etc.)

- a. To be in PDF format
- b. To be 50 MB or less

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