



# THE SCERT BULLETIN

December 2023

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## State Level Science Seminar for Teachers 2023

The State Level Science Seminar for teachers was organized by SCERT on 13<sup>th</sup> December 2023. The Topic of seminar was Science and Technology for the Benefit of Mankind. 17 District Winner Teachers along with District Coordinators (DIET Faculties) participated in the event. The District winner Sh. Naveen Alawadi, PGT Physics from Hisar District was awarded with the Best Oral Presentation Award.



The winners were given cash prizes, a trophy and participation certificates by Smt. Kalpana Ranga, the Deputy Director SCERT. ET Wing Head Sh. Manoj

Kaushik, Science Wing Head Smt. Punam Yadav, Subject Specialists Dr. Sanjay Prakash Kaushik and programme coordinator Dr. Jyoti Arora were also present during the award facilitation ceremony of the event.

## Rashtriya Bal Vaigyanik Pradarshni 2023-24

Dr. Jyoti Arora State Coordinator RSBVP attended two days workshop of



State Coordinators of RSBVP at Pune Maharashtra on 26<sup>th</sup> and 27<sup>th</sup> 2023 December and represented the state and presented State Report of from Haryana were selected for participated in the event along

RSBVP 2022-23. Seven students National Level RBVP and with their guide teachers.

## Lecture Series Science

In the series of events for popularising Science, the Science Department under the able and exemplary leadership of Director SCERT, live streamed Episode – 8 of the series on 29<sup>th</sup> December 2023. The topic of discussion for the episode was – Millets; A Super Food or a Diet Fad. Dr. Sushma Appaiah Renowned Nutritionist from Mysore, Karnataka was the presenter and the episode was moderated by Dr. Sanjay Prakash Kaushik. The Series started in the month of May 2023.



The entire episode was streamed live on YouTube channel of SCERT.

## DSS Monthly Meeting

Monthly meeting of District Science Specialists was organized on 05<sup>th</sup> Dec 2023. The meeting was chaired by Mrs Poonam Yadav, Head Science Wing, SCERT. The issues discussed during the meeting were Block & District Level Rashtriya Bal Vaigyanik Pradarshni & article submission for Souvenir to be unveiled during upcoming RSBVP. Science Wing Subject Specialists Dr. Sanjay P Kaushik & Dr. Jyoti Arora thanked everyone for their time bound execution of the Block Level Science Exhibition.



## Research Studies

### 1. “A Study on Status of Early Childhood Care Centres in Haryana”:-

A series of activities have taken place in this study:-

- Tool Development of this study and its finalisation
- Tool training for the surveyors
- Survey Roll Out in the Field

### 2. “Effectiveness of IED Centres in Government Schools of Haryana”:-

Data entry of questionnaire on School Heads is now complete.

### 3. “Individualised Tracking Program for KGBV students of Classes 6<sup>th</sup> to 8<sup>th</sup> in collaboration with HSSPP”:-

Report and summary of this study has been submitted.

#### 4. Action Research:-

A road map being prepared with DIET faculty for Action Research to be conducted in PM Shri schools.

In coordination with REAP Cell, SCERT Assam has published three Research Papers in their Journal Volume V (No. 1) June 2023. The Research papers have been written by DIET faculty of Haryana. Those published are listed below:-

S.no	Title	Author	Place of Posting
1.	A Study on Procrastination Among Secondary School Students of Rohtak District, Haryana in Relation to their Academic Achievement.	Dr. Manjeet Kumar, Asst. Professor	D.I.E.T. Madina, Rohtak Haryana
2.	Effect of Multiple Intelligence Supported Project-based Learning on Pupils' Attitudes towards English Language.	Dr. Suman Lata, Assistant Professor	D.I.E.T. Madina, Rohtak Haryana
3.	Homework Diary Writing Practice: Impact on Student Academic Performance	Sh Rajender Sharma, Assistant Professor	DIET, Mattershyam Hisar, Haryana

### **Baseline assessment in school for the Foundational Program for Secondary Students (NEEV)' under EDUSAT-SCERT 2023-24**

Education Technology wing has running an after-school foundational learning program called Neev (नीव) in state Government Schools. Neev (नीव) Program is a foundational learning program for Mathematics and Science (Grade 9th) that aims to support teachers by providing remedial and grade-level instruction to students in the subject mentioned above through at-home digital learning. These instructions are imparted through interactive videos (PLIOs), online quizzes, and live classes.

In December, ET wing conducted the Baseline assessment in some randomly selected schools (4 schools per selected district) with the help of DIETs. Conducting an assessment will be done in two phases: Baseline assessment and Endline assessment. The first phase of conducting the Baseline assessment is taken on 12-12-2023 and 13-12-2023.

## MOOC Course on Empowering Education with ICT 14th Dec to 5 Jan 2024

In the realm of digital education, the MOOC on '*Empowering Education with ICT*' by SCERT Haryana stands as a beacon, guiding educators toward a transformative approach. MOOC on '*Empowering Education with ICT*' launched by W/Director Sh. Mahabir Parsad (HCS) on 28.11.23. It is a two two-week online Course on 'Empowering Education with ICT'

### Main features

- This course covered basic to advanced concepts of Empowering Education with ICT
- It was helpful to understand the Role of ICT in National Education Policy 2020.
- It provided a clear understanding of Digital Technology & Content.
- The course guided to understand ICT Integrated Pedagogy.
- The course helped to understand OER and Licensing.
- The course also covered Digital Well-being and Cyber Safety & Security.

MOOC was available for Teachers, Teacher Educators, Students and Parents who are interested in the processes related to ICT Integration to teaching-learning. E-Certificate, Record sessions, PPTs, and PDFs were also provided to participants.

State Council of Educational Research & Training  
HARYANA, GURUGRAM  
MASSIVE OPEN ONLINE COURSE ( MOOC )  
ON  
**Empowering Education with ICT**

**MOOC Launch Event**  
Date : 14.12.2023  
Time : 11:00

Sh. Mahabir Parsad (HCS)  
Director SCERT

Sh. Sunil Bajaj  
Joint Director SCERT

Join us on SCERT Youtube channel  
<https://www.youtube.com/@ETWingSCERTHaryana>

Smt. Kalpana Ranga  
Dy. Director SCERT

Sh. Manoj Kaushik  
Head, ET Wing SCERT

AN INITIATIVE BY -  
EDUCATIONAL TECHNOLOGY WING  
SCERT HARYANA

For More Information  
<https://scertharyana.gov.in/>

### Workshop of STEM Lab

On 5th December, a workshop of STEM lab was organized to promote the Skills of Science Technology, Engineering & Mathematics. In this phase, teachers of Science and Mathematics were briefed about the Digital Equalizer programme, some selected STEM, TSU, and Robotics models, and conducted curriculum-based practical activities.



## Tech Skill Club-Digital Mela: Micro Improvement Program (MIP) on DIKSHA

In the month of November, MIP was created, uploaded on DIKSHA and this MIP was made live on 20th Nov 2023. School has to complete both the tasks: 1. Special Morning Assembly. 2. Tech Exhibition and upload all the artifacts/evidences and submit the given project on DIKSHA.

Last Date of Submission of MIP on DIKSHA was extended to 30th Dec 2023. Total 1057 projects were enrolled on DIKSHA and among these total 805 projects have been submitted on DIKSHA before the last date of submission. District wise, block wise and school wise reports have been shared during this project period.

This MIP can be accessed in DIKSHA App on mobile through link:

<https://diksha.gov.in/manage-learn/create-project/8ac8fa21ae85ab520d8e15c8f58db998>

**SCERT Haryana, Gurugram**  
**Tech Skill Club\_Digital Mela**  
**MICRO IMPROVEMENT PROGRAM ON DIKSHA**  
**For School Principals/ Head Teacher/ Head Masters**  
**Student's Club aimed to build 21st century**  
**Government schools in Haryana**

**Project : Tech Skill Club\_Digital Mela**  
 Link: <https://diksha.gov.in/manage-learn/create-project/8ac8fa21ae85ab520d8e15c8f58db998>  
**Project Opening Date - 22.11.23 Project Submission Date - 22.12.23**

Click on the respective project links, open it in DIKSHA APP & follow the steps.  
**Step 1: Update your profile :**  
 Select role - HT & Official, sub role - Principal/HM/HT)  
**Step 2: Complete and upload the artefacts of both the task.**  
**Step 3: Submit the project after the announcement of the submission date**  
 Email : [etwingscert@gmail.com](mailto:etwingscert@gmail.com) <https://scertharyana.gov.in/>

## Rerunning of NISHTHA courses for HKRN teachers on DIKSHA from 20th Nov- 10th Dec 2023

Online refresher courses were rerun on DIKSHA for the newly inducted employees/teachers engaged through HKRN Portal, by ET wing SCERT Haryana. Following four NISHTHA courses were started both in English and Hindi Medium.

1. Curriculum and Inclusive Education
2. ICT in Teaching Learning and Assessment
3. Health and Wellbeing
4. Toy based Pedagogy

District wise report of all these 4 courses has been submitted to the DSE office.

Module (Hindi)	URL Link	QR code
HR_Sec_12H_मिनूना जापरित शिक्षाशास्त्र_2023	<a href="https://shorturl.at/vi546">https://shorturl.at/vi546</a>	
HR_Sec_2H_पठन, पाठन और प्रुपांकन में सूचना प्रौद्योगिकी तकनीक की भूमिका_2023	<a href="https://shorturl.at/d8879">https://shorturl.at/d8879</a>	
HR_Sec_1H_पाठ्यपर्व और समन्वयी कक्षा_2023	<a href="https://shorturl.at/x8M71">https://shorturl.at/x8M71</a>	
HR_Sec_6H_स्वास्थ्य और कल्याण_2023	<a href="https://shorturl.at/cfx6">https://shorturl.at/cfx6</a>	
Module (English)	URL Link	QR code
HR_Sec_2E ICT in Teaching-Learning and Assessment_2023	<a href="https://shorturl.at/emtvT">https://shorturl.at/emtvT</a>	
HR_Sec_12E Toy Based Pedagogy_2023	<a href="https://shorturl.at/jnst6">https://shorturl.at/jnst6</a>	
HR_Sec_1E Curriculum and Inclusive Classrooms_2023	<a href="https://shorturl.at/kyHW7">https://shorturl.at/kyHW7</a>	
HR_Sec_6E Health and Well-being_2023	<a href="https://shorturl.at/ovjH38">https://shorturl.at/ovjH38</a>	
<b>Course duration 20th November 2023 to 10th December 2023 Last date of enrollment - 8th December 2023</b>		

## **Orientation on District Empowerment Program-Micro Learning Packages**

**6th Dec 2023**

An orientation session for all ET wing members from every DIET was conducted on 6th of December 2023. Under the District Empowerment Program on DIKSHA by NCERT, DIETs have been encouraged to fortify their capacities for initiating, overseeing, and monitoring district-level projects. In a proactive move, the ET wing of SCERT Haryana conducted a one-day, in-person workshop, in Feb 2023 empowering all 21 DIETs by enhancing their capabilities in crafting Micro Learning Packages (MLPs) for students on the DIKSHA portal.

Micro Learning is an approach to learn new information in small chunks at a time. Each DIET was assigned textbook chapters for the creation of Micro Learning Packages (courses) on the DIKSHA platform. This strategic allocation aims to optimize the efficiency and impact of the learning experience for students.

All DIETs were directed to commence the development of these courses for the chapters designated for the months of November, December, January, and February and submit them to the ET wing SCERT by the 30th of December 2023 using the provided allocation sheet.

### **Testing and Assessment Wing's Endeavours during December 2023**

Testing and Assessment Wing at SCERT has been actively involved in a series of initiatives during the month of December 2023 to fortify the assessment systems in the state, fostering competency-based evaluations.

1. Formation of State Resource Group (SRG): A State Resource Group has been created comprising 22 subject experts and 22 senior subject experts, with representation from each DIET in the state. A collaborative workshop with CENTA was conducted, focusing on capacity building for the SRG in the art of creating competency-based questions. This will elevate the quality and relevance of assessments.
2. English Subject Experts Meeting: A meeting was conducted virtually with 22 subject experts, one from each DIET, in the English subject. The objective was to initiate the creation of a question bank for competency-based assessments. A follow-up meeting will further streamline the tasks.
3. Drafting of Holistic Progress Card (HPC) for Grade 4: Assessment Wing has prepared a draft of the Holistic Progress Card (HPC) for Grade 4. The document was submitted to the Department of Elementary Education (DEE) for final discussions. This framework is poised to be extended and adapted for Grades 5 to 8, with necessary modifications. Additionally, the Wing collaborated with PARAKH, NCERT, supporting the trials of their developed HPC for foundational, preparatory, and middle classes in the state of Haryana
4. Preparation of Pre-Board Examination Question Papers: The Testing and Assessment Wing were engaged in finalisation of question papers during December 2023 for the pre-board examinations scheduled from 15th January 2024 by a centralized process of moderation, finalization, and formatting at the SCERT level.

5. Preparation of Question Papers for SAT-3: In alignment with their commitment to continuous improvement, the Wing is actively engaged in preparing question papers for SAT-3. The process of moderation, finalization, and formatting was going on during December.

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### **Constitution of the E-Content Compilation Committee**

The Department of Curriculum and Pedagogy established the E-Content Compilation Committee with the primary responsibility of evaluating electronic educational content and organizing it into a comprehensive format suitable for distribution on DVDs. Subsequently, the committee transferred these compiled materials to the Office of the Director of Elementary Education in Haryana for further processing. The purpose of this initiative appears to be the systematic organization and distribution of educational resources, likely aimed at enhancing the quality of elementary education in the region.

### **Constitution of the Proof Reading Committee**

The formation of the proof reading Committee by the Department of Curriculum and Pedagogy signifies a strategic endeavor to uphold the standards of educational content intended for dissemination during the academic session of 2024-25. This specialized committee has been meticulously constituted with the explicit purpose of conducting a thorough examination and refinement of textbooks and workbooks. The overarching objective is to meticulously scrutinize and rectify any linguistic, factual, or pedagogical discrepancies, thereby guaranteeing a heightened level of precision and excellence within the educational materials. The establishment of this committee lies in its pivotal role in assuring the quality and accuracy of the educational resources in question. By undertaking a comprehensive proofreading process, the committee endeavors to elevate the overall learning experience for students. This initiative reflects a commitment to academic rigor, precision, and excellence, aligning with the Department's dedication to fostering an optimal educational environment. The implementation of such meticulous scrutiny is integral to the Department's pursuit of providing students with educational materials of the highest caliber, thereby contributing significantly to the academic success and intellectual development of the learners.

### **Specifications Preparation for 142 Textbooks**

The department meticulously prepared specifications for a total of 142 textbooks scheduled for use in the Academic Year 2024-25. This encompassed detailed information such as page numbers, page size, and page dimensions, among other essential elements. The compiled specifications were subsequently forwarded to the

Directorate School Education, Panchkula for further processing and integration into the school education system.