



# THE SCERT BULLETIN

DECEMBER 2022

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## From the Director's Desk

### Constructivist Approach in Learning



***"Knowledge is constructed, not transferred."***

Constructivism is the idea that people are responsible for creating their own understanding of the world and using what they know, based on previous experiences, in the process of linking new information to these experiences.

The National Education Policy 2020 emphasizes that knowledge is not something that can be simply given by the teachers to the students in classrooms. Rather, knowledge is constructed by learners through an active mental process of development.

In a constructivist classroom, teachers create scenarios where students can challenge their own and one another's presumptions. The foundation of constructivist teaching and learning is the idea that learning happens when students actively contribute to building of meaning and knowledge, as opposed to merely absorbing information. Constructivist teaching fosters critical thinking and creates motivated and independent learners.

The Twenty-first century has necessitated the need to build constructivist classrooms. These classrooms should be structured in a way that makes our young learners immerse in experiences within which they may engage in making enquiry, action, imagination, invention, interaction, hypothesizing and personal reflection. Our goal is to produce a democratic classroom environment that provides meaningful learning experiences for our children.

As educators, if we aspire to meet the individual needs and abilities of every child, our approach must be constructively student-centered which places more focus on students learning than teachers teaching. To make learning more interesting, invite students to participate in a constructivist process that allows them to be involved in decisions about their learning and believing in their capacity to lead.

**LET US CREATE LIFELONG LEARNERS!**

**Vivek Kalia**



## Recognition of NIPUN Haryana in Good Governance

It was a moment of immense pride for both SCERT and School Education Department as Director SCERT, Sh. Vivek Kalia along with the team from Academic Cell, Panchkula were felicitated on Good Governance Day by Hon'ble Chief Minister, Sh. Manohar Lal Khattar, for their significant efforts. Team from Academic Cell, Panchkula consisted of Sh. Kuldeep Mehta - Assistant Director (DSE), Dr. Parmod Kumar- Program coordinator FLN (DSE), Dr. Sudershan Kumar Punia - PGT (Jhajjar), Sh. Sunil Dutt - PRT(Kaithal). All these esteemed officials were awarded for their commendable contribution to promote Foundational Literacy and Numeracy.

Among the fifteen key projects of the State Government, the Nipun Haryana Mission was ranked number one for achieving the target and making tremendous strides to mitigate the challenges in public education.

The FLN program is an essential part of the NIPUN Bharat and NIPUN Haryana Missions under the aegis of Samagra Shiksha project. Hon'ble Director SCERT, Sh. Vivek Kalia mentioned that under the able guidance of ACS Sir and DG Sir, it is aspired that we lead in enhancing core competencies of the students by achieving 100% foundational literacy & numeracy through the consistent efforts of the team. The team is very enthusiastic and has been judiciously working on this for achieving the target.

Considerable changes have been observed in the teaching-learning process such as the use of toy-based pedagogy, low-cost TLMs while teaching, all of this must be accredited to Team NIPUN Haryana.



## RESEARCH STUDIES

- **“Effect of Initiative - Coffee with Deputy Commissioner on Learning Times Tables by Students at Primary Grades in District Kaithal”**

During Saksham review meeting, Deputy Commissioner of District Kaithal decided that all those students who will learn multiplication tables from 2 to 40 and shall also be able to demonstrate their learning in written as well as verbal mode will be awarded and have an opportunity to meet Worthy Deputy Commissioner. The objective of this practice is to enhance the mathematical skills of primary school students. A Dipstick study was conducted by REAP Cell on the same.

This study is now complete and ready for submission. Some highlights of the study are being shared-

### **Objectives of the study:**

1. To study the perception of teachers about its effect on calculation speed and enthusiasm among students
2. To study the implementation of the initiative based on efforts put in by school heads and teachers
3. To assess the performance of students on Table recitation up to 40.



## Findings:

1. All the School Heads and teachers were aware of the initiative but only 74% of students knew about this initiative.
2. Out of 450 students, only 8% of students were able to speak times tables up to 40. The majority of such students were from class V.
3. Majority of students could speak times tables up to 20 only.
4. During the survey, 13% of students from the Guhla block could speak times tables up to 40, whereas no student from this block has yet met with the Deputy Commissioner.
5. Three of the five schools in the Kalayat block that were studied had students who had learnt the times tables up to forty whereas in the other blocks only one or two schools had such children
6. Out of 6 blocks, students from Kalayat and Rajound blocks only, could meet the Deputy Commissioner.
7. Majority of schools motivated the students during morning assembly. No specific screening process is decided at the district level. Different blocks were found to follow different strategies.
8. 37% of School Heads received official communication from DIETs whereas others received information about the initiative through different modes.
9. Majority of School Heads and teachers considered this initiative a good step and suggested it to continue in the future for better results.

## Suggestions:

1. It should be officially announced to all schools in order to improve the program's implementation.
2. The program shall continue in the future for better results.
3. A well-defined screening procedure should be decided at the district level.
4. Different targets shall be decided for different children by their teachers and shall be revised from time to time as per performance of the students.

## • Impact Assessment of STEM IBM Program for Girls in Govt Schools of Haryana: A Study

An Online *Tool Development workshop* and *Tool training* was held for ARAs and DIET Faculty in December 2022. Now the survey has been rolled out. Data will be collected till the end of the month.

## District Level Science, Mathematics and Environment Exhibition 2022-23



District Level Science, Mathematics and Environment Exhibition for children was organized in the month of December by 15 districts of the state. The event was monitored by the concerned District Level Authorities. The observation Report of the event would be submitted to SCERT by the observing official. Remaining 7 district would be organizing the event in the month of January 2023.

## National Conference on Education for Sustainable Development

Dr Sanjay Prakash Kaushik from Science Department participated in National Level Conference on Education for sustainable development at Pune, Maharashtra on 14<sup>th</sup> and 15<sup>th</sup> December, 2022. The two-day conference was organized by Bharti Vidyapeeth Institute of Environment Education and Research, Bharti Vidyapeeth University. Participating delegates from several states presented their best ESD practices during the conference.



## Science Lab Inspection under Science Promotion



Science faculty inspected the Science Lab of Government High School, Ismailpur, District Jhajjar on 24<sup>th</sup> December 2022. The Head of the school and the Science teacher were issued necessary instructions for ensuring better functionality of science lab. Students of the school were also addressed regarding Science Education. The condition of the lab was found to be average and the concerned were given instructions to make improvements by performing the required scientific intervention.

## Exposure Visit of Delegation from Odisha

*“Exchange of different cultures, different ideas and different thoughts is a fruitful indulgence”*

A delegation from the state of Odisha visited SCERT Haryana, Gurugram from 19<sup>th</sup>-23<sup>rd</sup> December, 2022. Faculties from SCERT, DIET and Schools were part of this delegation. Team SCERT extended a warm welcome on their arrival. The delegates were given a tour of DIET Gurugram under the stewardship of Sh. Ram Kishore Ponia. A knowledge-sharing session was organized at SCERT post lunch, wherein all the different departments from SCERT gave a presentation on their best practices and ongoing programs. The delegation also deliberated on the programs which are being run in the state of Odisha. The initiatives in the field of education taken by SCERT Haryana such as EDUSAT Program, Coffee with DC, Offline NISHTHA Training, Training Need Analysis, strengthening of DIETs, various online trainings were highly appreciated by the delegation. They also visited different DIETs and schools in the districts of Jhajjar, Faridabad. It was a pleasant and insightful exchange on both sides.



## A Conclave with NGOs and Foundations

Several NGOs, foundations and non-profit organizations have been approaching the Head Office, Department of School Education with numerous innovative proposals for contribution and potential partnership in the field of education. CSR funds can be utilized for infrastructure of govt. schools, scholarships, and various other aspects. In order to comply with their requirements, Dr. Mahavir Singh, ACS, Department of School Education decided to bring them all under one roof for an elaborate deliberation at a conclave. The conclave was organized on December 10, 2022 at Heritage Experiential School, Gurugram and was attended by over 70



NGOs, Non-profit Organizations, Foundations and CSR fund representatives. Several dignitaries from education department, Sh. Vivek Kalia (HCS), Director, SCERT Haryana, Gurugram; Capt. Indu Boken, DEO, Gurugram; Sh. Kuldeep Mehta, Assistant Director, School Education Department; Panchkula and Sh. Pramod Sharma, Program Officer at Panchkula were present at the conclave.

The panel was present to brief the participants about the future plan of action that DSE aspires to pursue and various initiatives that have been undertaken by the department so far.

W/ Director, SCERT Haryana mentioned that this meeting was organized with the purpose of apprising such interested parties with the various initiatives of School Education Department and acquainting them with its interest areas. This could thus result into a structured and fruitful collaboration/partnership in the near future. This unique event could be very productive in gaining the most of the objectives contained in these organizations.



### **Vidya Amrit Mahotsav (Innovative Pedagogy Festival)**

A virtual orientation on 'Vidya Amrit Mahotsav: Role of DIETs' was organized by the Educational Technology wing, on December 08, 2022. All the DIET faculties, BRPs and ABRCs participated in this virtual orientation. The theme of the orientation was Innovative Pedagogy under Micro Improvement Plan (MIP) and VAM. All steps were discussed and live-streamed through YouTube. A Daily Doubt clearing session for Vidya Amrit Mahotsav is also being organized from 01:00 PM- 02:00 PM. VAM aims to encourage micro-innovations and recognize innovations that are brought to classrooms and schools by teachers, teacher educators, and school leaders across India. All details related to VAM are available on SCERT website.

### **NISHTHA 4.0 (Early Childhood Care and Education)**

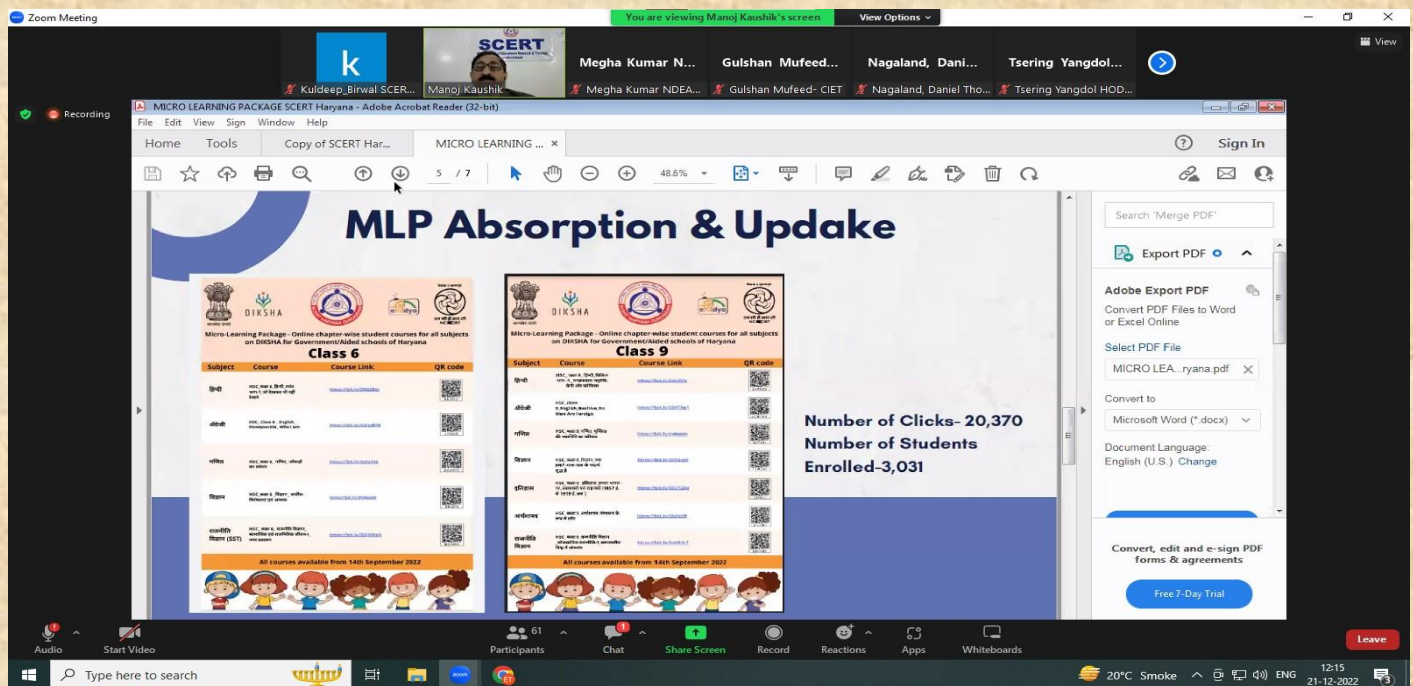
In NISHTHA 4.0, six modules for master trainers have been designed. These master trainers will train the preschool teachers and Anganwadi teachers/workers and create an environment where all of our young children can play, learn, explore, and have fun in ECCE settings. Their smooth transition to class 1 will be eased by this. **Courses 3 and 4** started on 16<sup>th</sup> December 2022 and will remain open until 10<sup>th</sup> February 2023, which is the last day to enroll and 16<sup>th</sup> February 2023 is the last day to complete the course.

The first two courses have already begun on November 17, 2022, and they will continue until February 10, 2023, which is the deadline for enrollment. The deadline for course completion is February 16, 2023

### **DIKSHA State Coordinators Meet**

A national-level meeting of DIKSHA nodal officers and coordinators of all the states was organized by CIET NCERT and PMU-DIKSHA (MoE). Team Haryana gave presentation on State readiness on VAM and Micro-Learning Packages on DIKSHA.





## Digital Mela in 101 schools of Gurugram

To check the effectiveness of digital devices in Teaching Learning, action research has been taken up by the Educational Technology wing of SCERT Haryana in 101 schools of District Gurugram. All the school heads, teachers, ABRCs and BRPs have been oriented regarding Digital Mela. The purpose of this digital mela is to make parents and the community aware of the use of mobile phone in education. **Digital Protsahan Utsav was celebrated on 30.12.22** in SCERT Gurugram. 200 best-performing students from each school, 12 top students from each block, 6 top students from districts, 8 best teachers from the blocks 4 best Head teachers and 4 best ABRCs/BRPs were awarded.



## Workshop on Content Analysis

2 days offline workshop on Content Analysis by Mahatma Gandhi National Council of Rural Education was conducted at SCERT on 12<sup>th</sup> and 13<sup>th</sup> December, 2022. Lesson plans were prepared of 4 pedagogies; Language, Mathematics, Social Science, Science. The lesson plans were mapped with vocational subjects. SCERT subject experts and DIET faculty attended the workshop. Participants presented lesson plans in a very creative manner. The main objective of the training was mapping of subjects for classes 9<sup>th</sup>- 12<sup>th</sup> with vocational subjects so that maximum students can get the employment.





## Celebration of National Mathematics Day in the Schools

National Mathematics Day is celebrated on 22nd December of every year since 2012, to celebrate and honour the great Indian mathematician Srinivasa Ramanujan's birth anniversary. The state council designated the third week of December 2022 as Maths Week to recognize and appreciate the contributions of the great Indian mathematicians this year as well. A list of activities with related links and reference material was shared with all schools in Haryana State. At the school level, activities like math tests, a math skit, etc. were conducted during assembly time. A special assembly showcasing various mathematics-related activities was held in the schools on Mathematics Day.



## National level Puzzle Contest

### NATIONAL LEVEL PUZZLE CONTEST

on National Mathematics Day (22 Dec 2022)

**ONLINE!  
NO FEE!  
ATTRACTIVE  
PRIZES!**

**WHO CAN APPLY?**  
Students from grades VI to VIII

**REGISTRATION**  
Registration open till 19.12.2022

Registration Link :  
<https://bit.ly/NLPCM2022>

**SCAN ME**

Collaborative efforts of  
State Council of Educational Research & Training (SCERT), Haryana,  
Tata Institute of Social Sciences, Mumbai & State Bank of India,  
Mumbai

Founding Partner  
**CETE | TATA TRUSTS**

A National Level Puzzle Contest was organized by Mathematics Education Department, SCERT Gurugram on National Mathematics Day 22nd December 2022 in collaboration with TISS Mumbai. The goal of such a competition was to spread awareness of such activities as a fun alternative to drill exercises in addition to fostering logical thinking and problem-solving abilities. The online contest was organized for grade VI to VIII students on the 'Harbans Puzzle' a puzzle recently developed by SCERT, Haryana. More than a thousand students took part in the competition. We've included a link to a video and the relevant article on the "Harbans Puzzle" for your reference.

[https://publications.azimpremjiuniversity.edu.in/4142/1/05%20HARBANS%20PUZZLES\\_CLASSROOM.pdf](https://publications.azimpremjiuniversity.edu.in/4142/1/05%20HARBANS%20PUZZLES_CLASSROOM.pdf)



## TRAININGS:

### • Training Programme for Secondary & Senior Secondary Teachers under NISHTHA 2.0

*“To teach is to learn twice over”*

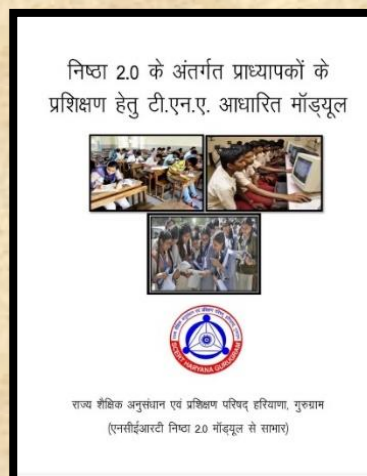
Being a competent and well performing teacher is one of the most important resources in every educational institution. Teacher training is a continuous process which enhances teaching skills. Keeping this in mind a training programme for secondary and senior secondary teachers under NISHTHA 2.0 had been customized by Department of Teacher Education to improve the teaching learning skills of the teachers based on NEP-2020, under the guidance of Worthy Director, SCERT. A Training Need Analysis was carried out to understand the actual training need of the teachers. Based on the TNA, a customized training programme on both generic and specific topics was planned for PGTs. Under this programme, 2 days online training was imparted for different subjects (English, Hindi, Biology, Chemistry, Physics, Maths, Commerce, Economics, Sanskrit, Political Science, History etc.). More than 1700 teachers participated in this massive training programme. Post-test was also taken for each subject. These MTs were further called at DIETs for 2-day training in offline mode. Modules for generic topics and subject specific topics was provided to all the Master Trainers.

### • Two Days Training of DIET Faculty at SCERT under NISHTHA 2.0

A 2-day training programme for DIET faculty was organized by Department of Teacher Education in SCERT. The Training programme was based on generic topics under NISHTHA 2.0. All the 5 generic topics were chosen by the teachers in recently carried out Training Need Assessment.

Topics for the training were as follows:

- 1.School Based Assessment
- 2.Use of ICT in Teaching Learning
- 3.Vocational Education
- 4.Leadership for Learning
- 5.Health and Wellbeing



### • Leadership Training of Newly Promoted Principals

Department of Teachers' Professional Development organized two-week leadership Training for newly promoted Principals of Gurugram and Faridabad district of Haryana from November 30, 2022 to December 13, 2022 at SCERT Haryana, Gurugram. All training sessions were live-streamed on YouTube. A total of 64 newly promoted principals attended and actively participated in the training. The training covered seven key areas namely, the perspective of school leadership, developing self, transforming the teaching-learning process, building, and leading team, leading innovations, leading partnerships, and leading school administration. The participants marked the training informative and productive.

A total of 626 Newly promoted Principals have been trained so far in the current session. 216 Principals were trained at the council and remaining 410 at DIETs (Fatehabad, Rohtak, Panchkula, Rewari, Panipat).





## • **Training Programme for Awareness-cum- Sensitization for Implementation of Environment Education in Middle Schools**

Three-day training workshops were arranged in four groups from 6<sup>th</sup>-8<sup>th</sup> December, 2022 and from 13<sup>th</sup> - 15<sup>th</sup> December, 2022. The purpose of these workshops was to spread awareness and sensitization for the implementation of environment education in middle schools. A total of 116 participants from 22 Districts of the state participated in these workshops. The participants were trained via demonstration of various activities by the learned Resource Persons. The training session was started with Pre-Test and TNA. The activities covered were mainly based on the theme of Resource Management, Climate Change, Planetary Boundaries, Role of Teachers in Sustainable Development, Environment Protection and Human Health at Local Level, Environment Practices and Environment Education in light of NEP. To help the participants better understand the environment, they were taken on a field trip to the Botanical Garden.

## • **Training of ATL In charges in AI Skills and Working of ATL**

The Science Wing organised the third and final phase of ATL training for the remaining eight districts from 30<sup>th</sup> November to 2<sup>nd</sup> December 2022. ATL In charges of these districts received training in AI skills and ATL operations. The training session was live-streamed on YouTube. The 3-day training included a one-day field trip to an established and operational ATL Lab. At the lab, the participants received training in 3D printing and produced many prototypes. Google Form was used to collect the TNA, Pre-Test, Post-Test, and feedback from the participants. The key areas of the training were robotics, basics of ATL, designed mindset, EV technology, 3D printing, coding, and electronic circuiting and innovations in the light of NEP 2020.



## • **3 Days Training of NSQF**

Department of Teacher Professional Development organized 3-days training for the preparation of Master Trainers of NSQF for the training of the teachers working in the school where the NSQF facility is not available. Objectives of this training were as follows:

- To develop a healthy attitude among students toward work and life.
- To announce individual employability in order to keep students active in schools as students are involved in physical activities.
- To increase the craft-centric education.
- To inspire students to enjoy and value their work.

The resource persons for this training were invited from Shri Vishwakarma Skill University Gurugram. The training was conducted in 3 batches from 21<sup>st</sup> to 28<sup>rd</sup> December 2022. A total of 150 participants were invited for this training and 100% participation was recorded.

## • **e-Content Development Program: Training of Master Trainers** **Phase - 1 Batch 1 (19th Dec - 23rd Dec, 2022)**

Based on CIET-NCERT SRG orientation, Team Haryana prepared and presented State e-Content Development Plan 2022 at NCERT, New Delhi. The current program is an important step in this journey, which is intended to prepare more than 3500 teachers and trainers, for e-Content Development skills in the year 2022-23. This will be done in two phases All these teachers will join the existing e-content creator team of SCERT Haryana and contribute to the State Repository of Open Educational Resources (SROER).



The objective of this workshop is to sensitize the stakeholders on Digital Education Initiatives taken up by the MHRD-Govt. of India, CIET-NCERT and Haryana state, familiarize the process of e-Content development, Support in creating a variety of e-Content, prepare various FOSS to develop e-content and acquaint them with quality parameters for content curation and development, Content-Pedagogy-Technology integration in the teaching and learning process.

First phase of Batch-1 began on December 19 and continued till December 23, 2022.



Schedule of Training						
TIME TABLE FOR E-CONTENT DEVELOPMENT : Edu.Tech.Resource Group ORIENTATION						
Phase - 1						
Day / Time	9:30 – 10:00	10:00 – 11:30	11:30- 11:45	11:45 – 01:00	01:00- 01:30	01:30 – 03:00
1.	Registration / Inaugural session	ICT initiatives RPs Manoj Kaushik Kuldeep Birwal	TEA BREAK	Power Presentation MSPPI RPs Dalbir Manoj Kaushik Sandeep	Lunch Break	Introduction to LMS-Google Classroom (How to use Google Classroom in this session) RPs Deepak Jasneet Sandeep
2.	District Presentation	NEP Information content RPs Manoj Kaushik Dr Ruchika		Animation-I Stop Motion RPs Harpreet Ashish		Technical session – (Canva) RP - Balwinder Ashish Deepak
3.	District Presentation	e-Content Audio & Podcast Audacity RPs Dr.Seema Ashwini		e-Content Audio & Podcast Anchor RPs Ashwini Dr. Seema		Technical session – e-Content Audio & Podcast RPs Dr.Seema Ashwini
4.	District Presentation	OER and Licenses RPs Manoj Kaushik Sanjay		Interactive Resources in Education HSP/Lumi/ RPs- Ruchika Nirmal Arun		Technical session – (HSP/Lumi/ WordWall) RPs- Ruchika Nirmal Arun
5.	District Presentation	Cyber safety RPs Manoj Kaushik Dr Seema		Power Presentation PREZI RPs Dalbir Manoj Kaushik Sandeep		Technical session – Quizzi/Kahoot/ Mentimeter RPs Sandeep Manoj Kaushik Balwinder



## SCERT in News:

दैनिक जागरण नई दिल्ली, 4 दिसंबर, 2022

## जागरण सिटी गुरुग्राम

### मूल्यांकन की कसौटियों पर कसे जाएंगे जिला शिक्षा प्रशिक्षण संस्थान

विशेष दूरे केन्द्र • गुरुग्राम

जिला शिक्षा और प्रशिक्षण संस्थान (झाइट) की कार्यप्रणाली और नीति को बेहतर बनाया जाएगा। इसके लिए अब प्रदेश भर के झाइट की मानीटरिंग होगी। विभिन्न चरणों में इस कार्य को चलाया जाएगा और झाइट के कुम्भकार को तेजी देने के लिए अब कसौटियों पर कसा जाएगा। विभिन्न जिलों में चल रहे झाइट में भावी अभ्यापकों का प्रशिक्षण कार्य होता है। इस कार्य में कितनी निपुणता है, किस तरह की शिक्षण और प्रशिक्षण प्रणाली अपनाई जा रही है और किस

**सुधरेगा प्रशिक्षण का स्तर**  
झाइट में भी लगातार प्रशिक्षण चलते रहते हैं। ऐसे में इस मानीटरिंग में प्रशिक्षण का स्तर भी जांचा जाएगा। क्या यह प्रशिक्षण एससीईआरटी में दिए जाने वाले प्रशिक्षण के स्तर का है या नहीं। अगर नहीं है तो उसका स्तर सुधारा जाएगा ताकि अध्यापक शिक्षा के क्षेत्र में नई नीतियों और शिक्षण प्रणाली से कदम से कदम मिलाकर चल सकें। इसके लिए प्रशिक्षण सत्रों का यूट्यूब लाइव होगा। और इसका बड़ा फायदा भी करवाया जाएगा।

**हर विंग की होगी रिपोर्टिंग**  
राज्य स्तर एससीईआरटी की जितनी विंग्स हैं, उतनी ही जिला स्तर पर झाइट की। ऐसे में मूल्यांकन को प्रभावी बनाने के लिए हर झाइट विंग को एससीईआरटी विंग से जोड़ा जा रहा है। हर विंग के लिए सर्टिफाइड अपरेटिंग प्रोसीजर (एसओपी) बनाया गया और झाइट प्राध्यापकों को इसकी जानकारी दी गई है कि मूल्यांकन किस तरह से होगा।

**प्राध्यापकों की योग्यता का भी लेखाजोखा**  
झाइट के इस मूल्यांकन के बाद अगले चरण में प्राध्यापकों और प्रशिक्षकों के अकादमिक और प्रोफेशनल अपलब्धियों को भी जांचा जाएगा। स्टफ कितना योग्य है, उसका भी डेटा मंगवाया गया है। प्राध्यापकों ने कितनी किताबें या जर्नल लिखे हैं, किसी तरह का शोध किया है या नहीं, अपना ज्ञान और जानकारी बढ़ाने के लिए क्या किया है, इस सब का लेखा-जोखा भी रखा जाएगा।

अब तक झाइट की गतिविधियों पर कोई मानीटरिंग नहीं होती थी जबकि यह एक महत्वपूर्ण संस्थान है। यहां पर दिया जाने वाला शिक्षण प्रशिक्षण भी स्तरीय होना चाहिए। ऐसे में प्रारंभिकता पर रखते हुए इसकी सकारात्मक मानीटरिंग की जाएगी। इसके लिए डेटा को चुकी है।  
- विवेक कालिया, निदेशक, एससीईआरटी

विंग के तहत क्या कार्य हो रहे हैं इसकी रिपोर्ट बनेगी। यह मूल्यांकन साप्ताहिक होगा। इसकी रूपरेखा तैयार कर ली गई है।

ऐसे होगी मानीटरिंग : झाइट की मानीटरिंग के लिए विशेष पोर्टल बन रहा है। राज्य शैक्षणिक अनुसंधान एवं प्रशिक्षण परिषद (एससीईआरटी) के निदेशक विवेक कालिया ने बताया कि अब तक झाइट की मानीटरिंग नहीं होती थी। उन्होंने बताया कि इसके लिए

डैशबोर्ड बनेगा जिसमें बाकायदा हर एक चीज का डेटा होगा। प्राध्यापकों ने सप्ताहवार क्या किया, झाइट में क्या गतिविधि हुई और क्या वह पंवांज है और और सुधार की गुंजाइश है। इसी डैशबोर्ड के आधार पर झाइट और उसके प्राध्यापकों को रेंजिंग होगा।

## क्षेत्रीय विज्ञान प्रदर्शनी में दिखी विद्यार्थियों की वैज्ञानिक प्रतिभा

जागरण संवाददाता, गुरुग्राम: बर्तनों को लेकर लोगों की अपनी पसंद-नापसंद होती है। प्लास्टिक तो धीरे-धीरे जागरूकता की हवा में जीवनशैली से चला गया है, साथ ही अन्य चीजों से बने बर्तनों को लेकर भी लोगों की अपनी पसंद होती है। किसी को शीशे के तो किसी को स्टील और किसी को मिट्टी के बर्तन पसंद आते हैं लेकिन अब नए वैज्ञानिक एक और विकल्प दे रहे हैं। वे पंडिबल (खाई जा सकने वाले) बर्तन बनाने के तरीके बता रहे हैं।

सेक्टर 14 स्थित डीएवी पब्लिक स्कूल में सीबीएसई की क्षेत्रीय विज्ञान प्रदर्शनी का अवलोकन करते सीबीएसई के निदेशक जोसेफ इमैनुअल और साथ में स्कूल प्राचार्य अर्पणा ऐरी।

रहे हैं। केंद्रीय माध्यमिक शिक्षा बोर्ड (सीबीएसई) की पंचकुला क्षेत्र की विज्ञान प्रदर्शनी में ऐसे ही कुछ

रोचक और उपयोगी माडल दिखे। एक और माडल में विद्यार्थियों द्वारा एक पेट (पालतू पशु) फिट कालर

प्रदर्शित किया है जिसके माध्यम से पशुओं, खासतौर पर गाय के स्वास्थ्य को आसानी से जांचा जा सकेगा। इस कालर में लगे सेंसर गाय की बीमारी, वायरस का प्रकार आदि बता देंगे। दक्षिण हरियाणा के विभिन्न जिलों की 68 टीमों ने 106 माडल प्रदर्शित किए हैं।

सेक्टर 14 स्थित डीएवी पब्लिक स्कूल में क्षेत्रीय विज्ञान प्रदर्शनी का विषय 'प्रौद्योगिकी एवं खेलों' था। ऐसे में विद्यार्थियों ने खेल-खेल में जीवन सुगम बनाने के उपाय बताए।

कार्यक्रम का आरंभ डीएवी गान और सरस्वती वंदना से हुआ। उद्घाटन समारोह में मुख्य अतिथि सीबीएसई के निदेशक (अकादमिक) डा. जोसेफ इमैनुअल रहे। स्कूल प्राचार्य अर्पणा ऐरी ने नवोदित वैज्ञानिकों के माडल को सराहना की। माध्यमिक शिक्षा के अतिरिक्त निदेशक, तत्कालीन एससीईआरटी के निदेशक विवेक कालिया ने भी प्रदर्शनों का दौरा किया।

## निपुण हरियाणा मिशन की टीम सम्मानित

### सुशासन दिवस समारोह

मुख्य अतिथि

सुशासन दिवस पर पंचकुला में हुए राज्य स्तरीय कार्यक्रम में निपुण हरियाणा मिशन की टीम को सम्मानित करते मुख्यमंत्री मनोहर लाल • सौजन्य : विवेक

जासं, गुरुग्राम: सुशासन दिवस पर पंचकुला में हुए कार्यक्रम में निपुण हरियाणा मिशन के तहत शिक्षा विभाग के विषय विशेषज्ञों और अधिकारियों की टीम को गुड गवर्नेंस अवार्ड से सम्मानित किया गया। निपुण हरियाणा मिशन के अतिरिक्त निदेशक विवेक कालिया, सहायक निदेशक कुलदीप मेहता और उनके साथ डा. प्रमोद कुमार, सुदर्शन प्रनिया, सुनील दत्त को मुख्यमंत्री मनोहर लाल ने सम्मानित किया गया। मिशन के अतिरिक्त निदेशक विवेक कालिया ने बताया कि अतिरिक्त मुख्य सचिव महावीर सिंह और महानिदेशक अराज सिंह के नेतृत्व में पूरी टीम ने कार्यक्रम को मिशन के रूप में चलाया है।

## स्कूलों में मनाया जाएगा गणित सप्ताह

गुरुग्राम। हरियाणा के स्कूलों में दिसंबर माह का तीसरा सप्ताह गणित सप्ताह के तौर पर मनाया जाएगा। राज्य शैक्षणिक अनुसंधान एवं प्रशिक्षण परिषद गुरुग्राम (एससीईआरटी) के निदेशक विवेक कालिया के निर्देशानुसार पूरे सप्ताह के दौरान स्कूलों में गणित विषय से संबंधित विभिन्न गतिविधियां आयोजित कराई जाएंगी। इन गतिविधियों के तहत खेल-खेल में बच्चों को इस विषय की जानकारी दी जाएगी। एससीईआरटी की ओर से राष्ट्रीय स्तर पर गणित संबंधी ऑनलाइन पहेली प्रतियोगिता आयोजित की जाएगी। पहेली प्रतियोगिता में छठी से आठवीं कक्षा के विद्यार्थी हिस्सा ले सकेंगे। पहेली प्रतियोगिता का आयोजन टाटा इंस्टीट्यूट ऑफ सोशल साइंस और स्टेट बैंक ऑफ इंडिया के सहयोग से किया जाएगा। संवाद



## SCERT, TISS to conduct national level puzzle contest on Thursday

HT Correspondent

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**GURUGRAM:** An online national-level puzzle contest is being organised by the Haryana state council for education research and technology in collaboration with Tata Institute for Social Sciences, Mumbai, on Thursday. Participants can register for the contest till Wednesday, said State Council of Educational Research and Training

(SCERT) officials.

Vivek Kalia, director, SCERT said the puzzle contest will be organised online from 7pm to 9.30pm. All questions in the contest will be either multiple choice questions or one-word and one-sentence based to maintain objectivity while checking, and have been prepared in such a manner that they can be mechanically checked on MS Excel, he said.

The tasks pertaining to the

puzzles will be given on a Google form and categories have been created to analyse the responses of the puzzle-based tasks, Kalia said. "Any number of students from classes 6 to 8 can sign up for the competition, which is being conducted by SCERT and TISS, Mumbai jointly. To familiarise contestants with the puzzle rules, a set of puzzles has been supplied in the registration form along with relevant videos," he added.

## मूल्यांकन की कसौटियों पर कसे जाएंगे जिला शिक्षा प्रशिक्षण संस्थान, एससीईआरटी रखेगी लेखाजोख

प्रियांका ठोसे लेखाजोख

जिला शिक्षा और प्रशिक्षण संस्थान (डाइट) की कार्यप्रणाली और नीति को बेहतर बनाना जाएगा। इसके लिए अब प्रदेश भर के डाइट की मानीटरिंग होगी। विभिन्न चरणों में इस कार्य को चलाया जाएगा और डाइट के कामकाज को तेजी देने के लिए अब कसौटियों पर कसे जाएंगे। विभिन्न जिलों में चल रहे डाइट में भावी अध्यक्षों का प्रशिक्षण कार्य होता है। इस कार्य में कितनी निपुणता है, किस तरह की शिक्षण और प्रशिक्षण प्रणाली अपनाई जा रही है और किस विंग के तहत क्या कार्य हो रहे हैं इसको रिवीट बनेगी। यह मूल्यांकन साप्ताहिक होगा।

**ऐसे होगी मानीटरिंग :** डाइट की मानीटरिंग के लिए विशेष चैटबॉट बना रहा है। स्टेट वॉर्डन ऑफ पब्लिकेशन विभाग पंडित ट्रेनिंग (एससीईआरटी) के निदेशक विवेक कलिया ने बताया कि अब तक डाइट की मानीटरिंग नहीं होती थी। उन्होंने बताया कि इसके लिए बैरबोर्ड बनने जिसमें बाकायदा हर एक विंग का डेटा होगा। प्राध्यापकों ने सप्ताहवार क्या किया, डाइट में क्या गतिविधि हुई और क्या वह पर्याप्त है और और सुधार की गुंजाइश है। इसी बैरबोर्ड के आधार पर डाइट और उसके प्राध्यापकों को रेटिंग होगा।

सुधरणा प्रशिक्षण का स्तर

डाइट में भी लगातार प्रशिक्षण चलते रहते हैं। ऐसे में इस मानीटरिंग में प्रशिक्षण का स्तर भी जांचा जाएगा। क्या यह प्रशिक्षण एससीईआरटी में दिए जाने वाले प्रशिक्षण के स्तर का है या नहीं। अगर नहीं है तो उसका स्तर सुधारा जाएगा ताकि अध्यापक शिक्षा के क्षेत्र में नई नीतियों और शिक्षण प्रणाली से कदम से कदम मिलाकर चल सकें। इसके लिए प्रशिक्षण सत्रों का युद्धबूट लाइव होगा। और इसका थर्ड पार्टी रिव्यू भी करवाया जाएगा।

हर विंग की होगी रिपोर्टिंग

राज्य स्तर एससीईआरटी की जितनी रिविज है, उतनी ही जिला स्तर पर डाइट की। ऐसे में मूल्यांकन को प्रभावी बनाने के लिए हर डाइट विंग को एससीईआरटी विंग से जोड़ा जा रहा है। हर विंग के लिए स्टेटवर्ड ऑफिशियल प्रोसीजर (एससीपी) बनाया गया और डाइट प्राध्यापकों को इसकी जानकारी दी गई है कि मूल्यांकन किस तरह से होगा।

प्राध्यापकों की योग्यता का भी लेखाजोख

डाइट के इस मूल्यांकन के बाद अगले चरण में प्राध्यापकों और प्रशिक्षकों के अकादमिक और प्रशिक्षण उपस्थितियों को भी आंका जाएगा। स्टेट किल्ला योग्य है, उसका भी डेटा मांगवाया गया है। प्राध्यापकों ने कितनी किलबे या जर्नल लिखे हैं, किसी तरह का शोध किया है या नहीं, अपना ज्ञान और जानकारी बढ़ाने के लिए क्या किया है, इस सब का लेखा-जोख भी लिया जाएगा।

अब तक डाइट की गतिविधियों पर कोई मानीटरिंग नहीं होती थी जबकि वह एक महत्वपूर्ण संस्थान है। वहां पर दिया जाने वाला शिक्षण प्रशिक्षण भी स्तरीय होता चाहिए। ऐसे में प्राथमिकता पर रखते हुए इसकी साप्ताहिक मानीटरिंग की जाएगी। इसके लिए बैरबोर्ड हो चुकी है।

विवेक कलिया, निदेशक, एससीईआरटी

## Good governance: Nipun Haryana Mission ranks 1st

Siddharth Tiwari  
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**Gurgaon:** Recognising the efforts of the school education department and the State Council of Educational Research and Training (SCERT) in bridging learning gaps in students, the state government awarded the council and its team on Good Governance Day. Of the 15 key projects of the state government that received the award on Sunday, the Nipun Haryana Mission ranked first for achieving the target and making encouraging strides to mitigate the challenges in public education. Besides, the e-Adhigam scheme, under which students of senior classes were provided free tablets to digitise education, has also received the award. "It is indeed a proud mo-

ment for the entire department and the team that worked tirelessly to implement the project in the mission mode. Nipun Bharat Mission is a central scheme and the state government modified it making it Nipun Haryana Mission. Throughout the year, all senior officials and teachers were involved earnestly to make it a success," said Pramod Kumar, state programme officer (director of elementary education) and nodal officer of Nipun Haryana Mission.

The Nipun Haryana Mission shares the first rank with four other projects and departments in the state. According to the department, the Nipun Haryana Mission and the e-Adhigam scheme has been awarded after a comprehensive and elaborate assessment and scrutiny under-

**The state government has taken this project a step ahead by adding 1 more subject, English, and planning to achieving the FLN skills by 2025**

taken by an independent auditor—Indian Institute of Management (IIM)-Rohatak. The key points that stood out during the evaluation were the conceptualisation and implementation of the innovative pedagogy, the skill development of the educators, and the creation of a student-friendly, stress-free, and participatory teaching-learning ecosystem in government schools across the state.

Earlier this year, TOI had reported that the education department had rolled out the Foundational Learning and Numeracy (FLN) campaign under the Nipun (national initiative for proficiency in reading with understanding and numeracy) Haryana mission for over six lakh students in classes 1 to 3. While the programme was officially launched in July, the department had started the preparatory work of conducting training for 35,000 teachers across 22 districts and constituting a pool of 2,000 mentors from February onwards.

The FLN programme is an essential part of the Nipun Bharat and Nipun Haryana Missions under the aegis of the Samagra Shiksha project. It aims to develop foundational learning skills in two sub-

jects—Hindi and Mathematics—by 2026-27.

The state government has taken this project one step ahead by adding one more subject—English—and committing to achieving the FLN skills by 2025.

"From the beginning, the government and the school education department were clear that Haryana aspires to lead in enhancing core competencies of the students in literacy and numeracy. SCERT and its team with the support of the school education department have been able to digitise the learning-teaching ecosystem and implemented new-age innovative pedagogy that not only enhances learning outcomes but also ensures concept retention among the students," said SCERT director Vivek Kalia.

## Nuh plans to boost learning outcomes, monitor teachers

Siddharth Tiwari  
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**Gurgaon:** After the appointment of over 300 new teachers and over 600 education volunteers, the Nuh administration has directed the district education officials to ensure that the Nipun Haryana mission is implemented in letter and spirit and that the learning outcomes among the students are enhanced.

In a review meeting of the government schools in the district on Wednesday, the Nuh administration directed the district education officials to take a host of measures to implement outcome-based learning in schools. The administration has also tasked the education department to start a quarterly newsletter of the Nipun Haryana

mission where comparative improvement and achievements in learning levels are documented.

"Through the appointments we have received over 300 teachers. Additionally we rolled out a special drive where residents were hired as education volunteers after an online exam. All this has now solved the issue of teacher shortage to an extent. Now, the task is to use them to improve the learning outcomes," deputy commissioner Ajay Kumar said.

"Government has been taking active steps to bridge learning gaps. Besides beefing up the teachers and providing necessary capacity building training, we are also of the view of collaborating with private agencies to enhance learning outcomes," said SCERT director Vivek Kalia.



**School Education Department  
Government of Haryana**

**CONGRATULATIONS**



**\*Good Governance day 2022, Celebration on 25.12.2022\***  
**\*Regarding state level awards\***  
**\*Project Name:- Nipun Haryana Mission - Rank 1**  
**\*Department:- School Education**  
**\*Team Members:-\***

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## हरियाणा/एनसीआर जागरण

## प्राथमिक कक्षाओं के विद्यार्थियों के कंधों से हटेगा बस्ते का बोझ

प्रियांका दुबे वैहता • गुरुग्राह

नेशनल करीकुलम प्रेमवर्क और राष्ट्रीय शिक्षा नीति के साथ कदमताल करते हुए प्रदेश के सरकारी स्कूलों में पढ़ने वाले विद्यार्थियों के लिए नई रणनीति बनाई जा रही है। इसके तहत विद्यार्थियों को शुरुआती कक्षाओं में कांसेप्ट आधारित शिक्षण को लागू किया जाएगा। कक्षा एक से तीन तक के विद्यार्थियों के लिए विशेष वर्कबुक बनाई जाएंगी और उनके नाजुक कंधों से बस्ते का बोझ हटा दिया जाएगा। शैक्षणिक सत्र 2024-2025 में माडर्न लर्निंग और आइबी (इंटरनेशनल बकालौरिएट) स्कूलों की तर्ज पर सरकारी स्कूलों



विद्यार्थियों में रीडिंग और कांप्रीहेन्शन यानी पढ़ाई और ज्ञान का संचार सामानांतर रूप से हो इसके लिए प्रयास किए जा रहे हैं। व्यावहारिक ज्ञान देने के लिए प्राथमिक कक्षाओं में माड्यूल तैयार किए जाएंगे और कई स्तरों पर योजनाएं बनाकर अंत में कक्षा एक से कक्षा तीन तक की पढ़ाई को बैंगलेस करने की योजना है।

- विवेक कालिया, निदेशक, एससीआईआरटी

के विद्यार्थियों के पठन-पाठन को बैंगलेस कर दिया जाएगा।

**गतिविधि आधारित शिक्षा पर बल:** फाउंडेशनल लर्निंग स्टडी और नेशनल करीकुलम प्रेम वर्क में क्या माड्यूल होना चाहिए, इसके लिए राज्य शैक्षणिक अनुसंधान एवं प्रशिक्षण परिषद में तैयारियां शुरू हो गई हैं। परिषद के निदेशक विवेक कालिया ने बताया कि राष्ट्रीय शिक्षा

नीति 2020 में कांसेप्ट बेस्ड लर्निंग पर बल दिया जा रहा है। गतिविधियों के माध्यम से पढ़ाई करने के लिए माड्यूल तैयार किए जाएंगे। उन्होंने कहा कि इसके लिए कुछ कंपनियां भी सहयोग करेंगी और सभी की राय लेकर माड्यूल डिजाइन किया जाएगा।

**यह है उद्देश्य:** निपुण हरियाणा के तहत होने वाले सर्वेक्षणों और अन्य

मूल्यांकनों में यह पाया गया है कि विद्यार्थियों को जो शिक्षा दी जा रही है वे उसका उस तरह से लाभ नहीं ले पा रहे हैं। अब विद्यार्थियों को प्राथमिक शिक्षा बोलकर, गतिविधि और वर्कबुक करवाकर दी जाएगी। उन्हें पुस्तकों के जाल से निकल व्यावहारिक ज्ञान दिया जाएगा।

**वर्कबुक पर होगा काम:** किताबें वर्कबुक के रूप में होंगी। इनका स्वरूप बनेगा, फिर पाठ्यक्रम और फिर इनका अंतिम रूप विशेषज्ञ तैयार करेंगे। इस लंबी प्रक्रिया की शुरुआत बैठकों और माड्यूल पर चर्चा के रूप में हो चुकी है।



यमुना ए  
प्रथम पल.

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## Ensure student retention, edu dept tells Nuh schools

Siddharth Tiwari  
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**Gurgaon:** With the appointment of new teachers and the deployment of over 500 education volunteers, the state education department has directed the government school heads and district officials in Nuh to ensure student retention and enhancement of their learning outcomes.

In the third round of government schools' marathon monitoring, the department of school education inspected and surveyed over 130 schools in Nuh district on Friday. During the monitoring, the department noted that the district needs to scale up its student retention and overall learning outcome.

The department said that the shortage of teachers largely accounted for the roadblocks in improving the learning outcomes. And with that being addressed gradually, the schools should ensure at least 20% improvement in board examination results and a fundamental shift in the learning outcomes.

"The government has worked with swiftness in appointing new educators to the schools. Mewat cadre has also received new teachers. In addition, over 500 education volunteers are also being deployed to address the issue of teacher shorta-

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The government has worked with swiftness in appointing new educators to the schools. Schools and district officials should prepare an action plan to ensure that the board results are enhanced by at least 20%. Also, schools should strive to minimise dropouts and increase enrollments

ge. Schools and district officials should prepare an action plan to ensure that the board results are enhanced by at least 20%. Also, schools should strive to minimise dropouts and increase enrollments," additional chief secretary (education) Mahavir Singh said.

The department also sought a report on the dropout rates and directed the officials to work toward student retention. TOI had reported last year that Haryana School Shiksha Pariyojna Parishad (HSSPP), in its annual survey, found that over 29,000 students had quit their studies due to several reasons. Among the 22 states, Nuh had recorded the maximum dropouts of 9,000.