



THE SCERT BULLETIN

JULY 2023

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SCERT Haryana

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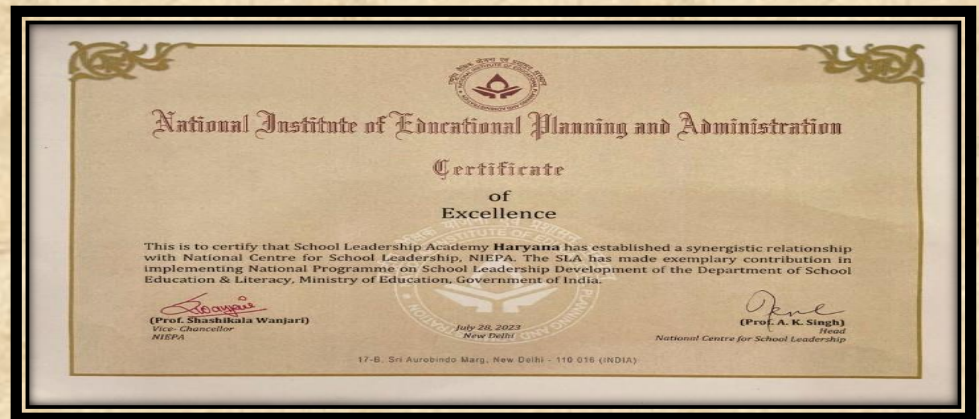
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Certificate of Excellence to SLA, SCERT Haryana



In a groundbreaking initiative aimed at fostering educational excellence and leadership development, the School Leadership Academy (SLA), SCERT of Haryana has solidified a dynamic partnership with the esteemed National Centre for School Leadership (NCSL), NIEPA, headquartered in Delhi. This strategic alliance marks a significant milestone in the realm of education and leadership, as SLA Haryana steps into a synergistic relationship with NCSL NIEPA. The collaborative efforts are set to unleash a new era of progress and innovation in the field of educational leadership, with far-reaching implications for the students, teachers, and educational stakeholders of Haryana.

The crowning achievement of SLA Haryana's commitment to educational advancement is its exemplary contribution to the implementation of the National Programme on School Leadership Development of School Education & Literacy, Ministry of education, Government of India. Through its tireless dedication and transformative initiatives, SLA Haryana has emerged as a trailblazer in driving the growth and development of educational

leaders across the region. Sh Ram Kishor Ponia, HoD, Teacher Education,

SCERT Haryana & Nodal Office SLA Haryana received the certificate of excellence on behalf of Director SCERT Haryana in three-day workshop hosted by NCSL at India Habitat Centre, New Delhi.

Sh Mahabir Parsad (HCS), Director SCERT Haryana & SLA Haryana, expressed his enthusiasm about the partnership, stating, "We are thrilled to join hands with NCSL NIEPA, a stalward in the field of Educational Leadership. This collaboration amplifies our mission to cultivate effective leaders who will shape the future of education in Haryana. Together, we envision a future where our educational leaders are equipped with the skills, knowledge, and vision to lead their institution to new heights."

As the SLA Haryana and NCSL NIEPA embark on this exciting journey of mutual growth and shared objectives, the education landscape in Haryana is set to witness transformative changes that will reverberate for generations to come.

Aao School Chalein Project on DIKSHA

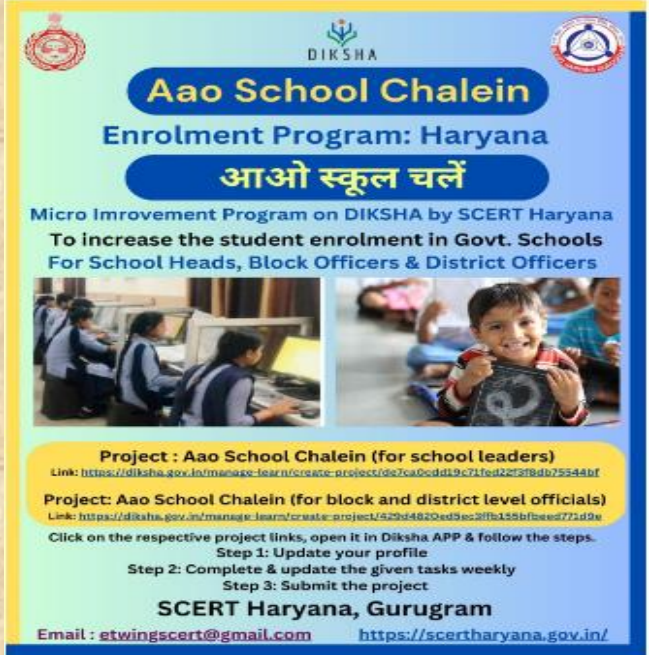
The "Aao School Chalein" project is a carefully planned effort to make things better step by step. It is led by the Educational Technology Wing at SCERT Haryana. This micro-improvement program is designed to help more students join government schools in the state. It started on April 6th with guidance from the Director of SCERT.

Objective: The main goal of the "Aao School Chalein" micro-improvement program is to increase the number of students attending government schools.

Coverage: This large project includes all schools in Haryana. To carefully watch over the process, 10 schools with fewer students from each block have been chosen with the help of the District Institutes of Education and Training (DIETs).

In July, when schools reopened after the summer break, the Educational Technology Wing at SCERT Haryana introduced an important project phase on the DIKSHA platform. This phase involved completing five specific tasks by the chosen schools. These schools were also asked to calculate how many more students had enrolled in this session compared to the past five years. They had to share this information as a report on DIKSHA between July 10th and July 15th, 2023.

During this time, daily updates were sent to DIETs, Blocks, and Sahyogis. These updates provided information about the progress of the schools. They showed what tasks had started, what was ongoing, and which schools had successfully submitted their project reports. This clear information helped everyone see how the project was going in each district, block, and individual school.



DIKSHA

Aao School Chalein

Enrolment Program: Haryana

आओ स्कूल चलें

Micro Improvement Program on DIKSHA by SCERT Haryana
To increase the student enrolment in Govt. Schools
For School Heads, Block Officers & District Officers

Project : Aao School Chalein (for school leaders)
Link: <https://diksha.gov.in/manage/learn/create-project/d57ca0cdd19c71fed22f3f8db75344bf>

Project: Aao School Chalein (for block and district level officials)
Link: <https://diksha.gov.in/manage/learn/create-project/529b4820ed9ec2ff6155bfbee2771d9e>

Click on the respective project links, open it in Diksha APP & follow the steps.
Step 1: Update your profile
Step 2: Complete & update the given tasks weekly
Step 3: Submit the project

SCERT Haryana, Gurugram
Email : etwingscert@gmail.com <https://scertharyana.gov.in/>

Science Lecture Series

As part of our efforts to popularize science, the Science Department, led by Director SCERT, Sh. Mahabir Parsad (HCS), broadcasted Episode 3 of the Lecture Series on July 14, 2023. The topic of this episode was "Harbans Puzzles - Unleashing Open-ended Questions." Sh. Sunil Kumar Bajaj, Deputy Director SCERT, presented the episode, which was moderated by Dr. Sanjay Prakash Kaushik. The Series' first episode aired on May 26 on SCERT's YouTube channel. In upcoming episodes, we'll delve into various scientific aspects of Basic Sciences, along with other crucial subjects such as Artificial Intelligence, Data Science, Cyber Safety, Sustainable Development Goals, Environmental Concerns, and Robotics.



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Azadi Ka Amrit Mahotsav

LECTURE SERIES - SCIENCE

For Teacher Educators, Teachers & Students

Watch live on:
<https://www.youtube.com/c/eContentbyscertharyana>

Episode : 3
Harbans Puzzles - A Way to Open-ended Questions

Time : 11:30 AM Date : 14.07.23

Speaker : Sh. Sunil Bajaj, Dy. Director,
SCERT Haryana

Organized By : Science Department, SCERT

STATE COUNCIL OF EDUCATIONAL RESEARCH & TRAINING
HARYANA, GURUGRAM

Online Experiential Learning Program - STAM Phase 4

The Online Learning Program - STAM Phase 4, with the theme 'Cyber Wellness for Schools,' introduces an innovative educational approach. This method goes beyond traditional classrooms, emphasizing hands-on engagement instead of one-sided teaching. SCERT Haryana Gurugram is leading this modern approach, aiming to give students immersive learning experiences guided by dedicated teachers and expert trainers. These valuable sessions use local and cost-effective resources to spark curiosity and creativity.

Phase 4 of this groundbreaking program took place from July 26th - August 2nd, 2023, bringing together educators from all over the state. 128 teachers enthusiastically took part in the initiative. Knowledgeable experts led sessions with creative ideas that inspired everyone. Participants actively shared their experiences, creating a collaborative environment. To be inclusive, the program was also live-streamed on YouTube, allowing a wider audience to join in this transformative journey towards experiential learning.

WHY DO WE NEED TO INSTILL HEALTHY DIGITAL HABITS IN OUR CHILDREN?

- Children are digital natives and spend a lot of time online.
- They depend on technology for education, entertainment, and exploration.
- The right digital knowledge and tools can enable them to lead healthy and productive digital lives.
- Awareness of cyber wellness and cyber safety can help children stay safe and correctly distinguish between healthy and unhealthy use of technology.



zoom

TRAININGS

Subject-Specific Training for TGTs

Training is important to attain effective teaching learning skills and classroom management. It helps teachers foster better relationships with their students.

Keeping this in mind, various module-based trainings were planned for TGTs in 5 different subjects i.e. English, Hindi, Social Science, Sanskrit, and Pre Vocational Education.

- In phase-I, a 2-day orientation program was organized at SCERT for Master Trainers in all 5 subjects.
- In phase II, 3-5 days training program will be organized in the month of August at district level through DIETs.

Around 500 TGTs per district will be imparted subject-specific training under this massive and unique training program which is based on NEP-2020. 11000 TGTs in the state from Vocational & Non-Vocational schools will be given training on Pre-Vocational Education which is the need of the hour.

The key features of the training were:

1. Awareness about 21st Century skills
2. Awareness about NCF-2023
3. Key inferences of NEP-2020
4. Innovative Pedagogical Skills
5. How to deliver content in the classroom
6. Improvement in SBA
7. Awareness about competency-based learning
8. Understanding of learning outcomes



Training of Resource Persons for Science at Agastya Innovations Hub, Kuppam campus Bangalore

Department of Teachers' Professional Development SCERT, organized a 05 days training program for 120 Resource Persons of Science under the able guidance of Dr. Anshaj Singh, SPD & DSE Haryana and Sh. Mahabir Parsad, Director SCERT at Agastya Innovations Hub, Kuppam campus Bangalore. SCERT, DIET faculty, District Science Specialists and Science PGTs/TGTs participated in this program.

This Educational trip was an absolute success in terms of enriching the knowledge and finding innovative ways to teach science effectively with the help of different play-way methods and activities. The participants gave feedback that all the sessions were highly insightful and engaging. The hands-on practical exercises were particularly beneficial as they reinforced theoretical knowledge.

Beyond the educational aspect, this trip also gave an opportunity to the participants to immerse themselves in the lush green scenic beauty of Agastya Innovations Hub, Kuppam campus Bangalore. The programme was coordinated by Dr. Tanu Bhardwaj, Tr. Edu. Wing SCERT.

The participants expressed that this training has ignited a deeper interest in the field of Science and constructivist approach in the light of NEP-2020.

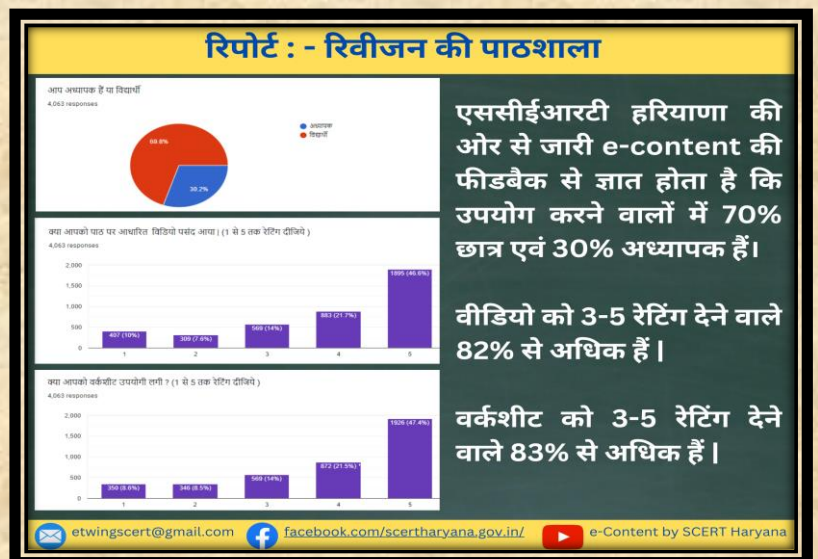





SAT Activities

Revision ki Pathshala (Practice Worksheets)

The Educational Technology Wing at SCERT is engaged in creating practice worksheets for students in grades 4 to 8. As part of this ongoing effort, practice worksheets have been specifically designed for the SAT 1 syllabus.

To help students even more, they are giving out practice worksheets for students in grades 6 to 8 every week. These worksheets, called “Revision ki Pathshala,” are carefully made to help students improve their skills and get ready for the SAT-1 exams in July 2023. This determined effort shows how much they want to help students do well on their academic journey and succeed.



SAT-1 Revision की पाठशाला Practice Worksheets-I DIKSHA		SAT-1 Revision की पाठशाला Practice Worksheets-I DIKSHA		SAT-1 Revision की पाठशाला Practice Worksheets-I DIKSHA	
कक्षा : 6 2023-24		कक्षा : 7 2023-24		कक्षा : 8 2023-24	
हिंदी राम का वनागमन, चिबकूट में भरत सर्करीट-पत्रों लिखक करें दंडक वन में दस वर्ष, सोने का दिन सर्करीट-पत्रों लिखक करें	अंग्रेजी Grammar & Composition सर्करीट-पत्रों लिखक करें The Friendly Mongoose सर्करीट-पत्रों लिखक करें The Quarrel सर्करीट-पत्रों लिखक करें	हिंदी मिठाईवाला सर्करीट-पत्रों लिखक करें चीन, बर्न, टोपसाली, लाल का ल, बाइली की लाल, टोपी - बबलर, बबलर, लालका, लालकी का लाल सर्करीट-पत्रों लिखक करें भीष्म प्रतिज्ञा, लाला और लाला, लाला, लाली सर्करीट-पत्रों लिखक करें	अंग्रेजी The Rebel (Poem) सर्करीट-पत्रों लिखक करें The Tiny Teacher सर्करीट-पत्रों लिखक करें Gopal and the Hilsa Fish सर्करीट-पत्रों लिखक करें The Shed (Poem) सर्करीट-पत्रों लिखक करें	हिंदी जलाल सर्करीट-पत्रों लिखक करें भावान के डकिये सर्करीट-पत्रों लिखक करें पुराने का दौर सर्करीट-पत्रों लिखक करें दीसालों की हसी सर्करीट-पत्रों लिखक करें	अंग्रेजी How the Camel got his hump सर्करीट-पत्रों लिखक करें Glimpses of the Past सर्करीट-पत्रों लिखक करें Children at Work सर्करीट-पत्रों लिखक करें
गणित अपनी संख्याओं की जानकारी सर्करीट-पत्रों लिखक करें संख्याओं के साथ खेलना सर्करीट-पत्रों लिखक करें	विज्ञान पदार्थों का पृथक्करण सर्करीट-पत्रों लिखक करें पौधों को जानिए सर्करीट-पत्रों लिखक करें	गणित अंकड़ों का प्रबंधन सर्करीट-पत्रों लिखक करें सरल समीकरण सर्करीट-पत्रों लिखक करें	विज्ञान ऊष्मा सर्करीट-पत्रों लिखक करें अम्ल, क्षारक और लवण सर्करीट-पत्रों लिखक करें	गणित चतुर्भुजों को समझना सर्करीट-पत्रों लिखक करें	विज्ञान कोषला और पेट्रोसियम सर्करीट-पत्रों लिखक करें दहन और ज्वाला सर्करीट-पत्रों लिखक करें
सामाजिक विज्ञान सिक्किम एवं मेघालय सर्करीट-पत्रों लिखक करें शीतक काल सर्करीट-पत्रों लिखक करें वाकाला जल है सर्करीट-पत्रों लिखक करें सारलक्ष्य व सुव्यवस्था काल सर्करीट-पत्रों लिखक करें	सामाजिक विज्ञान दक्षिण के राज्य : पालुकर पालुकर एवं पौल सर्करीट-पत्रों लिखक करें हमारी बदलती पृथ्वी सर्करीट-पत्रों लिखक करें विपरीत संपर्क, पाल जलिकार एवं सलुकुट सर्करीट-पत्रों लिखक करें	सामाजिक विज्ञान धर्मनिरपेक्षता की समझ सर्करीट-पत्रों लिखक करें शिक्षण मूल परंपरा सर्करीट-पत्रों लिखक करें पुत्रि, पुत्र, लाल, लालिक, लालिकी और लाल लाला लालका सर्करीट-पत्रों लिखक करें			
Educational Technology Wing SCERT Haryana		Educational Technology Wing SCERT Haryana		Educational Technology Wing SCERT Haryana	

Preparation for SAT-1 Examination

The Testing and Assessment (T&A) wing of the State Council of Educational Research and Training (SCERT) has successfully completed the development of question papers for the upcoming SAT-1 examination, scheduled for the end of July/ August 2023 under the leadership of Smt. Ritu Chaudhry, Deputy Director, SCERT. The process encompassed the following key steps:

1. Establishing a Clear Timeline: A well-defined timeline for the preparation process was finalized.
2. Collaboration with DIETs: Collaboration was established with District Institutes of Education and Training (DIETs) to create two sets of question papers for each subject across all classes, engaging teachers from diverse schools.
3. Thorough Review and Moderation: The question papers underwent a comprehensive review and moderation process conducted by our in-house subject experts to ensure alignment with the prescribed syllabus and conceptual clarity.
4. Development of Question Papers: A total of 164 question papers were created, covering a range of subjects.
5. Secure Compilation: The finalized question papers were meticulously transferred onto 44 password-protected CDs to ensure security.
6. Packaging and Distribution: The question papers were carefully packaged and sealed for delivery to District Education Officers (DEOs) and District Elementary Education Officers (DEEOs).

WORKSHOPS & MEETINGS

State Mentoring Review Meeting

The ongoing process of Elementary Mentoring for classes 4 to 8 is being successfully executed by over 1600 mentors across the state. The ET wing of SCERT is overseeing various aspects of this endeavor, including target teacher designs, spot assessments, pedagogical practices, mentoring orientations, and reviews. To ensure comprehensive monitoring of these mentoring activities, a structured four-stage review system was introduced by SCERT. To familiarize stakeholders with this approach, orientation, and the initial review were conducted virtually on July 13th. Attendees included representatives from DIETs, BRCs, BRPs, and ABRCs, all contributing to the smooth implementation of this innovative state initiative.

NEEV Foundation SCERT Program

Following the successful 2-day workshop held on May 9th & 10th, 2023, by the Educational Technology Wing of SCERT, the wing continued efforts by conducting a comprehensive 4-day workshop for the creation of curriculum foundations for secondary students (NEEV) from July 4th to 7th, 2023. This initiative was carried out in collaboration with Avanti Fellows.

The primary goal of this program is to provide essential support to educators by offering remedial guidance to secondary students in key subjects, namely Science, Mathematics, and English, through remote digital learning methods. These instructional materials will be delivered via interactive videos, online quizzes, and live virtual classes, enabling students to engage with the content from the comfort of their homes.

The focal point of this meeting is to develop interactive videos for Grade 9 Mathematics and Science, along with training modules for conducting online doubt-solving sessions. Each participating teacher is tasked with creating a sample video covering the designated topics. These videos will then be shared and discussed during the in-person workshop, fostering collaborative learning and skill enhancement.





SCERT Haryana AI Initiative Preparation Meeting with Learning Links Foundation

In a bid to foster technological literacy, SCERT Haryana is launching a groundbreaking Micro Improvement Project focusing on Capacity Building for Teachers & Students in Artificial Intelligence (AI). This program, scheduled for August and September 2023, aims to introduce the AI Club initiative in government schools of Haryana. The collaboration with NGO Learning Links Foundation (LLF) seeks to:

- Promote AI education and skills among students.
- Cultivate interest, knowledge, and innovation in the field of artificial intelligence.
- Facilitate evaluations to recognize top-performing schools and students.
- Conduct Master Trainer Training on AI for Haryana's government sector.

This training will equip 240 Master Trainers with in-depth AI knowledge, enabling them to train teachers and students across the state's government schools. These efforts will ensure the effective integration of AI education into the curriculum. Discussions surrounding these initiatives were held virtually on July 14th 2023.

Online Meeting for NEEV Foundation SCERT Program

On July 14th, 2023, an online meeting for the NEEV Foundation SCERT Program was thoughtfully organized, bringing together participants and collaborative partner Avanti Fellows. The session aimed to address crucial points, including:

- Following up on the outcomes of the workshop held from July 4th – 7th, 2023.
- Allocating specific tasks to participants.
- Distributing responsibilities for the upcoming months.
- Determining the schedule and allocation for doubt resolution classes.

Workshop for DIKSHA Worksheet Creation/Review

The Educational Technology Wing is engaged in the creation review and review of e-content to establish a state repository on the DIKSHA platform. As an integral aspect of this endeavor, the ET Wing at SCERT has been actively involved in crafting practice worksheets for students ranging from the 4th to 8th grade, in both online and offline formats. To finalize all the work done for SAT-1 syllabus content, the ET Wing organized a 2-day workshop for the creation and review of DIKSHA worksheets. This workshop was conducted in a face-to-face format and took place from July 5th & 6th, 2023. During this period, the finalization of all practice worksheets aligned with the SAT-1 syllabus was done. These worksheets were subsequently uploaded onto the DIKSHA platform and are now accessible to learners.

District Science Specialists (DSS) Monthly Meeting

The monthly meeting for DSS took place on July 17, 2023. Chaired by Dr. Suman Sharma, Head of Science Wing at SCERT, the meeting covered multiple topics. Discussions included strategies to boost nominations for the INSPIRE Manak Award, distribution of HScSIT Scholarships, Rashtriya Bal Vaigyanik Pradarshni, Science Dramas, and Science Seminars for both teachers and students. All DSS members received directives to increase their INSPIRE AWARD nominations. Dr. Sanjay P Kaushik and Dr. Jyoti Arora, Science Wing Subject Specialists, extended their gratitude for the timely submission of inspection reports.

DIET Science Faculties Monthly Meeting

On July 17, 2023, the DIET Science Faculties convened for their monthly meeting, led by Smt. Sunita Panwar, Joint Director SCERT. The meeting's agenda encompassed discussions on INSPIRE Manak Award Nominations, active participation of DIET Faculties in the Rashtriya Bal Vaigyanik Pradarshni at the district level, Science Dramas, and Science Seminars for educators and students. Participants were encouraged to conduct online sessions with School Heads to effectively implement Science Initiatives and raise awareness about the Inspire Award Manak. The meeting concluded with a vote of thanks from Dr. Suman Sharma.

Meeting for INSPIRE AWARD Nominations

On July 25, 2023, Subject Specialists Dr. Sanjay P Kaushik and Dr. Jyoti Arora from the Science Wing visited GMS Shivaji Nagar. During the visit, they briefed the school's Science teachers and provided guidance to ensure nominations for the Inspire Award.



(meeting with BRC Gurugram Smt. Deepti Boken)

VISITS

Visit of MOE Delegation

A visit of officers from Ministry of Education in SCERT was held on 27th July, 2023. All the wings of SCERT presented the innovative and ongoing practices of their department. This meeting was chaired by Worthy Director SCERT. Joint Director Sh. Sunil Bajaj and both the Deputy Directors Smt. Ritu Chaudhary & Smt. Kalpana Ranga also graced the meeting. A fruitful discussion was held on NEP-2020 and the draft of NCF-2023. Prof. K. Ramachandran from Ministry of Education deliberated on the implementation of NEP-2020 and upcoming new courses and policies in the field of education. Re-strengthening and re-structuring of DIETs, Pre-Vocational and Vocational Education, School Complex and 21st Century Skills were also discussed in the meeting.



Visit to NCERT

Dr. Sanjay P Kaushik and Dr. Jyoti Arora from SCERT visited NCERT in New Delhi on July 24, 2023. During the visit, they met with Dr. T.P. Sharma and submitted the write-ups for the state winners of RSBVP 2022-23.

Educational Visit to Digital Innovation Hub, Nuh

On July 21st, 2023, the Educational Technology Wing members went on a learning trip to GSSS Tapkan in Nuh. This trip had a special purpose - to see how ICT training could help teachers and administrators in the Mewat region. The Digital Innovation Hub at GSSS Tapkan was very impressive and had a skilled team. The trip showed a great opportunity to use ICT tools for government teachers, school leaders, and students, especially in Nuh. This effort was possible because of the help and hard work of the SRF Foundation.



Research Update

Development of Tools and Initial Survey Rollout for the Following Study:

"Assessing the Effectiveness of the IED Resource Centre for Children with Special Needs (CWSN) in Government Schools of Haryana"

Objectives: This research study aims to evaluate the functionality of the resource centres and the overall effectiveness of the Government Program for its intended beneficiaries.

The pilot phase of this study is currently underway in five districts of Haryana:

1. Charkhi Dadri
2. Faridabad
3. Hisar
4. Kaithal
5. Kurukshetra

The survey was initiated on July 24, 2023, and is scheduled to continue until August 10, 2023.

Training Modules on Research Methodology:

The REAP Cell, in collaboration with CIET NCERT New Delhi, is utilizing the training modules provided by NCERT for its Research Methodology training. The necessary correspondence and documentation have already been completed.

The module topics include:

S.no	Module No	Name
1.	Module 1	Research: Concepts, Types & Steps
2.	Module 2	Steps of Action Research
3.	Module 4	Process of Action Research
4.	Module 5	Report Writing
5.	Module 6	Tool/Instrument

Live Interaction at National Level for students and teachers on Harbans Puzzles

Watch Live Session
Class - I
Channel #01

Har Ghar Har Gali
Bujho Paheli- Harbans Puzzles
Subject: Mathematics
10 July 2023
(02:30 pm to 03:00 pm)
Live interaction with:
Mr. Sunil Bajaj
Deputy Director
SCERT, Haryana, Chandigarh

DD Free Dish
Dish TV Channel #2022
8800440559
Jio TV
NCERT OFFICIAL

'Harbans Puzzles' Live Sessions were taken for Primary classes by Mr Sunil Bajaj at National level organised by E-Vidya, NCERT. Harbans puzzles provide opportunities to children to think logically and work in an open ended environment on various Maths concepts of their respective classes.

Watch Live Session
Class - V
Channel #05

Har Ghar Har Gali
Bujho Paheli- Harbans Puzzles
Subject: Mathematics
26 July 2023
(02:00 pm to 02:30 pm)
Live interaction with:
Mr. Sunil Bajaj
Deputy Director,
SCERT, Gurugram, Haryana

DD Free Dish
Dish TV Channel #2024
8800440559
Jio TV
NCERT OFFICIAL

120 प्रतिभागियों का समूह प्रशिक्षण के लिए रवाना

■ विद्यालय शिक्षा विभाग तथा एससीईआरटी ने वैज्ञानिक सोच को बढ़ावा देने के लिए उठाया कदम

गुड़गांव, 22 जुलाई (ब्यूरो): विद्यालय शिक्षा विभाग तथा एससीईआरटी के निदेशक महावीर प्रसाद के नेतृत्व में हरियाणा राज्य के प्रत्येक जिले से जिला विषय विशेषज्ञों, डाइट के विषय विशेषज्ञों तथा विज्ञान प्राध्यापकों के 120 प्रतिभागियों के समूह को विज्ञान सम्बन्धी नवाचारों और विज्ञान सम्बन्धी शिक्षण- अधिगम को रुचिकर बनाने के लिए 5 दिवसीय प्रशिक्षण लेने हेतु अगस्त फाउंडेशन हब कुप्पम बेंगलुरु में भेजा गया है।



प्रतिभागियों के समूह को प्रशिक्षण के लिए रवाना करते विद्यालय शिक्षा विभाग तथा एससीईआरटी के निदेशक महावीर प्रसाद।

कार्यक्रम की समन्वयक डॉ तनु भारद्वाज ने बताया कि प्रशिक्षण की विशेषता है कि इसमें एक और प्रतिभागियों को विज्ञान विषय को रुचिकर बनाने हेतु नवाचारों और शिक्षण शास्त्र संबंधी प्रशिक्षण प्रदान किया जाएगा। वहीं दूसरी और स्वयं

करके सीखने को प्रोत्साहित करने हेतु सभी प्रतिभागियों को मेक युवर ओन लैब किट के तहत सामग्री प्रदान की जाएगी।

वास्तव में बच्चों को रुचि से सिखाने हेतु लोको लोको को बढ़ावा देने तथा विज्ञान की कक्षाओं को

कारण प्रभाव संबंध हेतु प्रयोगों को बढ़ावा देने की दृष्टि से यह प्रशिक्षण कार्यक्रम एक नई दिशा प्रदान कर करेगा।

परिषद के निदेशक महावीर प्रसाद ने प्रतिभागियों का मनोबल बढ़ाते हुए हजरत निजामुद्दीन स्टेशन से प्रारंभ होने वाली यात्रा को हरी झंडी दिखाकर रवाना किया।

इस अवसर पर अध्यापक शिक्षा अनुभाग से राम किशोर पुनिया व डॉ तनु भारद्वाज उपस्थित रहे। सभी प्रतिभागियों ने पूर्ण उत्साह से इस कार्यक्रम के आयोजन हेतु निदेशक सैकंडरी शिक्षा डॉ अंशज सिंह तथा परिषद के निदेशक महावीर प्रसाद का आभार जताया। प्रतिभागियों ने कहा कि इस प्रकार के कार्यक्रम में सहजता से ही नवाचारों को सीखकर इसका लाभ विद्यार्थियों तक पहुँचाना सुनिश्चित किया जा सकता है।

डिजिटल हब में राज्य शैक्षिक अनुसन्धान एवं प्रशिक्षण परिषद् अधिकारियों का दौरा

अंतराम खटाना गुड़गांव टुडे

नूंह। एसआरएफ फाउंडेशन विगत कई वर्षों से शिक्षा के क्षेत्र में गुणवत्ता परक शिक्षा के लिए कार्य कर रहा है। संस्था ने डिजिटल इन्वोल्वेशन हब का राजकीय वरिष्ठ माध्यमिक विद्यालय टपकन के प्रांगण में स्थापित किया है जिसमें डिजिटलाइजेशन को बढ़ावा दिया जा रहा है। राज्य शैक्षिक अनुसन्धान एवं प्रशिक्षण परिषद् (SCERT) से मनोज कौशिक (मुख्याधिकारी शैक्षिक प्रौद्योगिकी विभाग हरियाणा) कुलदीप (प्रोफेसर), शब्बीर एवं अंकुर प्रोग्रामर ने डिजिटल इन्वोल्वेशन हब का दौरा किया। उन्होंने हब में अध्यापक ट्रेनिंग सेंटर, वीडियो रिकॉर्डिंग रूम, इन्वोस्टेम लैब के साथ डिजिटल अकादमी के बारे में विस्तार से जाना।

टपकन स्थित सेंटर में अध्यापकों, विद्यार्थियों और युवाओं को कंप्यूटर के बेसिक ज्ञान जैसे वर्ड, इक्सेल पावरपॉइंट के साथ जीमेल आइडी बनाना, गूगल टूल जैसे गूगल डॉक्स, गूगल शीट, गूगल फॉर्म इत्यादि का प्रशिक्षण दिया जाता है। केंद्र की मैनुअल बुक टीम के साथ साझा की। सुविधाओं का प्रदर्शन भी किया गया और सराहना भी की गई।

स्टूडियो रूम की सुविधाएं जहां इंटरएक्टिव बोर्ड, हरा पर्दा, स्मार्ट टीवी, वीडियो रिकॉर्डिंग के लिए फोकस लाइट, शिक्षण



सहायक सामग्री का उपयोग करके वीडियो बनाए जाते हैं इन विडिओ को बनाकर अध्यापक अपने विद्यार्थियों को डिजिटल टीवी के माध्यम से कोई भी उपविषय आसानी से समझे जा सकता है।

टीम ने इन्वोस्टीम लैब का दौरा किया जहां पर उन्होंने लैब की अवधारणाओं और छात्रों द्वारा तैयार किए गए मॉडलों के बारे में जाना। छात्रों ने मॉडल का उपयोग करके ऊंचाई मापी, चमकती एलईडी लाइटें, और रास्पबेरी पाई, 3डी प्रिंटर, आर्टिफिसियल इंटेलिजेंस, कोडिंग, आरडीनो, साइंस प्रोजेक्ट का उपयोग करके मिनी कम लागत वाला कंप्यूटर भी प्रदर्शित किया गया।

डिजिटल अकादमी में जावा कंप्यूटर लैंग्वेज, एचटीएमएल, सीएसएस, जावा स्क्रिप्ट रीएक्ट जेएस, नोड जेएस, एसक्यूएल, एसप्रेसस इत्यादि सिखाया जाता है। छात्रों द्वारा तैयार पाठ्यक्रम और

वेबसाइटों के बारे में बताया।

उन्होंने डिजिटलगुरु पोर्टल, केंद्र के उद्देश्य, डीसीसीजीटी के लिए डिजिटल उपकरण किट के साथ-साथ डिजिटल स्मार्ट टीवी पर दिखाए गए शिक्षकों के वीडियो की प्रस्तुतियों को विस्तार से जाना।

एससीईआरटी, एससीईआरटी हरियाणा में डिजिटल हब के समान) ही स्टूडियो रूम स्थापित करना चाहता है,

मनोज कौशिक ने एस आर एफ फाउंडेशन द्वारा बनाये गए इस केंद्र की प्रशंसा की। उन्होंने कहा कि यह एस आर एफ फाउंडेशन का एक बहुत ही नया एवं सराहनीय प्रयास है।

इस मौके पर निशा जूनेजा सीनियर प्रोग्राम ऑफिसर, कमलेशवेर मिश्रा प्रोग्राम ऑफिसर, निधि गर्ग ऐकडेमिक कोऑर्डिनेटर, संदीप सिंह ट्रेनर कम फेसिलिटेटर, मुकुल, आमिर, तशलिमा के साथ युवा व बच्चे भी मौजूद रहे।

How to make science interesting? 120 edu dept officials to be trained

Ankita.Anand
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Gurgaon: The state government has decided to send 120 officials from the education department for a five-day training under the National Council of Educational Research and Training (NCERT) programme in Bangalore. The training will introduce the experts — science specialists, subject specialists from District Institutes of Education and Training (DIET), and science lecturers of the state — to several new innovations to make teaching, training, and learning more interesting.

The director of the State Council of Educational Research and Training (SCERT), Mahabir Parsad flagged off the journey at Nizamuddin railway station on Saturday. The council has collaborated with a non-profit organisation, Agastya International Foundation, to conduct the workshop, which is scheduled to start on July 24. The

SCERT PROGRAMME COORDINATOR

The participants of the training workshop will be provided with materials to prepare their laboratory kit. This training will add a new direction to teaching Science to students. It would engage kids with practical experimentations

training will be imparted with respect to the latest pedagogies and newest innovations that make Science intriguing to students.

The training programme aims to promote “learning by doing”, said programme coordinator at SCERT, Tanu Bhardwaj. “The participants will be provided with materials to prepare their laboratory kit. This training will add a new direction to teaching Science to students. It would engage kids with practical experimentations,” she told TOI.

A Science lecturer, one of the participants of the workshop said, “Such training helps in learning new techniques with ease. We need to ensure that we pro-

vide quality education to our students. Our enhanced methods of teaching would make their learning interesting and engaging.”

“The curriculum of the workshop is designed to equip teachers with tools and techniques they can use while conducting classes, like the constructivist approach (“constructing” knowledge out of experiences) and develop low-cost models and teaching aids. This empowers them to facilitate knowledge construction in children,” said a representative of Agastya International Foundation. The NGO provides innovative and hands-on education to underprivileged children across 23 states across India.

सरकारी स्कूलों के विद्यार्थी करेंगे आर्टिफिशियल इंटेलिजेंस कोर्स

तकनीकी शिक्षा को बढ़ावा देने के लिए किया जा रहा विद्यार्थियों में कौशल विकास

प्रवीन कुमार

गुरुग्राम। सरकारी स्कूलों के छात्र-छात्राओं को आर्टिफिशियल इंटेलिजेंस कोर्स कराया जाएगा। नई शिक्षा नीति- 2020 के तहत सरकारी स्कूलों में तकनीकी शिक्षा को बढ़ावा दिया जा रहा है। आजकल विभिन्न क्षेत्रों में तकनीकी शिक्षा की जरूरत पड़ रही है। विद्यार्थियों में रोबोटिक्स, कोडिंग सहित अन्य तकनीकी ज्ञान होना आवश्यक है। स्कूली स्तर पर कंप्यूटर व तकनीकी कौशल होने के बाद विद्यार्थियों को उच्च स्तर पर तकनीकी शिक्षा ग्रहण करने में कोई दिक्कत नहीं होगी। आर्टिफिशियल इंटेलिजेंस कोर्स करने के उपरांत में विद्यार्थी इस क्षेत्र में अपना करियर बना सकेंगे।

राज्य शैक्षिक अनुसंधान एवं प्रशिक्षण परिषद (एससीईआरटी) और आईबीएम कंपनी इस योजना



आर्टिफिशियल इंटेलिजेंस में करियर बना सकेंगे विद्यार्थी

पर संयुक्त रूप से कार्य कर रही हैं। एससीईआरटी के निदेशक महावीर प्रसाद के मार्गदर्शन में एक कोर्स तैयार किया गया है। सरकारी स्कूलों में क्लब गतिविधि के माध्यम से आर्टिफिशियल इंटेलिजेंस कोर्स कराया जाएगा। अगस्त माह के पहले सप्ताह से आर्टिफिशियल इंटेलिजेंस कोर्स को स्कूलों में शुरू कराया जाएगा। परिषद ने कोर्स के लिए हर सप्ताह का शेड्यूल तैयार किया है। हरियाणा के सभी खंडों में 20-20 स्कूलों में आर्टिफिशियल इंटेलिजेंस कोर्स कराया जाएगा। परिषद के निदेशक महावीर प्रसाद ने

बताया कि जिन स्कूलों में आर्टिफिशियल इंटेलिजेंस कोर्स शुरू होगा, उन स्कूलों को दीक्षा एप पर इसकी जानकारी अपडेट करनी होगी। ताकि एससीईआरटी के पास रिकॉर्ड उपलब्ध रहे कि किस स्कूल ने कोर्स के तहत क्या-क्या गतिविधि कराई है।

एससीईआरटी में शैक्षिक प्रौद्योगिकी विंग के प्रभारी मनोज कौशिक ने बताया कि आर्टिफिशियल इंटेलिजेंस के तहत आयोजित होने वाली गतिविधियों के लिए एक कंप्यूटर शिक्षक को प्रभारी बनाया जाएगा। छठी, सातवीं व आठवीं कक्षा के विद्यार्थियों और नौवीं से 12वीं कक्षा के विद्यार्थियों के लिए अलग-अलग कोर्स तैयार किए गए हैं। स्कूलों से कंप्यूटर विज्ञान के पीजीटी व टीजीटी को एससीईआरटी की ओर से आर्टिफिशियल इंटेलिजेंस का प्रशिक्षण दिया जाएगा।

बेंगलूरु में विज्ञान विषय का प्रशिक्षण लेंगे शिक्षक व विशेषज्ञ

गुरुग्राम। विज्ञान पाठ्यक्रम को लेकर विषय के शिक्षकों व विशेषज्ञों को बेंगलूरु में पांच दिवसीय प्रशिक्षण दिया जाएगा। हरियाणा के सभी जिलों से 120 शिक्षकों व विशेषज्ञों का दल 22 जुलाई को बेंगलूरु जाएगा। राज्य शैक्षिक अनुसंधान एवं प्रशिक्षण परिषद गुरुग्राम (एससीईआरटी) और अगस्त्य फाउंडेशन के संयुक्त तत्वावधान में यह प्रशिक्षण आयोजित किया जाएगा।

एससीईआरटी के निदेशक महावीर प्रसाद के अनुसार पांच दिवसीय प्रशिक्षण में शिक्षकों व विशेषज्ञों को विज्ञान विषय व पाठ्यक्रम के बारे में

नई जानकारी मिल सकेगी। जिसका फायदा स्कूलों में पढ़ाई के दौरान होगा।

नए जानकारियों के साथ विषय पढ़ने में विद्यार्थियों की रुचि भी होगी। बेंगलूरु में पांच दिवसीय प्रशिक्षण में एससीईआरटी, जिला शिक्षा एवं प्रशिक्षण संस्थान (डाइट) से विज्ञान विषय विशेषज्ञ, सभी जिलों के जिला विज्ञान विशेषज्ञ और हरियाणा के विभिन्न सरकारी स्कूलों के चयनित विज्ञान के प्राध्यापक शामिल होंगे। एससीईआरटी से डॉ. तनु भारद्वाज ने बताया कि प्रशिक्षण में जाने वाले शिक्षकों व विषय विशेषज्ञों का चयन किया जा चुका है। प्रशिक्षण संबंधित आगामी कार्यक्रम को लेकर रूपरेखा तैयार की जा रही है। संवाद

बच्चों में साइंस की रुचि बढ़ाने के लिए बेंगलुरु में तैयार होंगे सब्जेक्ट एक्सपर्ट

■ एनबीटी न्यूज, गुड़गांव

विज्ञान विषय की वारीकियों को समझने और बच्चों को बेहतर ढंग से पढ़ाने के तरीकों को लेकर राज्यस्तर पर एक्सपर्ट की टीम तैयार की जा रही है। विषय विशेषज्ञों को बेंगलुरु भेजा गया है, वहां पर प्रत्येक जिले से विषय विशेषज्ञ के साथ-साथ जिला शिक्षा एवं प्रशिक्षण संस्थान के विशेषज्ञ और विज्ञान प्राध्यापकों के 120

प्रतिभागियों को अगस्त्य फाउंडेशन प्रशिक्षण दिया जा रहा है। 28 जुलाई तक यह प्रशिक्षण दिया जाएगा। साइंस सब्जेक्ट में कुछ नया सीखने को प्रोत्साहित करने के लिए सभी प्रतिभागियों को यहां पर नई तकनीकों के बारे में बताया जा रहा है। जिसमें छात्रों को रुचि से सिखाने के लिए बढ़ावा देने और विज्ञान की कक्षाओं को और बेहतर बनाने का काम होगा। शिक्षकों को नवाचार और शिक्षण शास्त्र संबंधित प्रशिक्षण दिया जा रहा है।

राज्य शैक्षिक अनुसंधान एवं प्रशिक्षण परिषद की ओर से वैज्ञानिक सोच और दृष्टिकोण को बढ़ावा देने के लिए यह कार्य किया जा रहा है। एससीईआरटी के निदेशक महावीर प्रसाद ने बताया कि साइंस सब्जेक्ट के एक्सपर्ट के समूह को शिक्षण अधिगम को रचिकर बनाने के



बेहतर होगी शिक्षा

- प्रदेश से 120 साइंस के अध्यापकों को भेजा गया, हर जिले के एक्सपर्ट हो रहे शामिल
- विज्ञान विषय को नए सिरे से पढ़ाने, समझने के तरीकों को सीखेंगे एक्सपर्ट
- 28 जुलाई तक चलेगा प्रशिक्षण

लिए 5 दिवसीय प्रशिक्षण के लिए अगस्त्य फाउंडेशन हव कुप्पम बेंगलुरु में भेजा गया है। यहां पर एक्सपर्ट को जो कुछ नया सीखने को मिलेगा, उसका सीधा फायदा छात्रों को मिलेगा। कार्यक्रम की समन्वयक तनु भारद्वाज ने बताया कि नए प्रयोगों को बढ़ावा देने की दृष्टि से यह प्रशिक्षण कार्यक्रम नई दिशा प्रदान करेगा।