



Shiksha Sopan

An Initiative of IIT Community for social upliftment

Reg. Office: 391, Nankari, IIT, Kanpur 208016, PAN : **AAFTS9743R**

Newsletter October 2025

Dear Readers,

Namaste! The October 2025 newsletter contained September activities of all the centres. Shiksha Sopan conducted a big event for students called NAEST, First Sunday Club for teachers, KVs teachers workshop and a students workshop, Sopan Ashram visit, Academic activities at SASK and Pravah Baal Akhabar, SAEC activities, BEC activities, Sopan library were running very well. Please find the centre wise reports given below

National Anveshika Experimental Skill Test (NAEST) 2025

NAEST 2025 semifinal, final and joy of Physics programme conducted at Sopan Ashram from 13th-15th September, 2025. 39 students were the semifinalist and came to Sopan Ashram from different states of India. Their guardians also came and participated in many sessions. National Anveshika Network of India (NANI) is a part of Indian Association of Physics Teachers (IAPT) conducted this annual programme in collaboration with Shiksha Sopan. The event inaugurated by Dr. H. C. Verma, Mrs. Smita Fangariya, Dr. Manoj Bhushan Pandey and other resource persons. 6 new experiments were thought and designed by team of Shiksha Sopan in the leadership of Dr. Verma. These experiments were performed by the students in semifinal and final round. Number of sets of experiments were made by the team of Shiksha Sopan. Semifinal round was conducted on 13th September. On 14th September students visited E-spin pvt ltd and interacted with Dr. Sandip Patil, a short visit of IIT Kanpur campus also provided to them, they interacted with Dr. Anurag Tripathi, Dr. Niraj Mohan, and other faculty of IITK and enhanced their knowledge. A kavi sammelan also organized for them in the evening. On 15th selected 12 students participated in final round and rest of them enjoyed the Sopan Ashram labs, interacted with Dr. Adhip Agarwal, professor, IITK and saw his wonderful experiments. The guardians also interacted with Verma sir and gave their feedback about NAEST, they told him how NAEST has benefitted their child. Everyone enjoyed the atmosphere, hospitality and team work of Shiksha Sopan, and gave their blessings for the future. Next year planning of NAEST 2026 also discussed with all the persons by Smita mam.



First Sunday Club (FSC)

In September, FSC was held on 7th September 2025 at JMD World School, Mainawati Marg, Azad Nagar, Kanpur. Around 63 teachers were present in the session. Mr. Ashwani Tiwari, from JMD school welcomed Dr. H. C. Verma sir and other members of FSC. In September 2013 the FSC was started so we celebrated this September's 2025 FSC as its birth anniversary. Mr. Amit Kumar Bajpai, coordinator, SGM-IAPT Anveshika gave a brief introduction of FSC and invited Dr. H. C. Verma sir for his valuable talk on introduction of quantum. Dr. H. C. Verma sir gave a wonderful talk and showed everywhere lived in quantum world. The principal of the school presented a memento to Verma sir and thanked him for his visit. Dr. Anurag Tripathi, Associate professor, IITK, Dr. D. C. Gupta, Dr. M. B Pandey, Mr. Mohit Singh, Mr. Yogesh Kumar Jha from IAPT RC-4A were present and Dr. Pandey also gave a brief introduction of IAPT and invited them to join IAPT.



Kendriya Vidyalayas (KV's) teacher's and Student's Interaction

Three day workshop was organized by KVs Lucknow mandal. Last day specially fixed for Sopan Ashram. 70 PGT physics from Lucknow mandal were came to Sopan Ashram on 24th September 2025, Ms. Archana Jaiswal, Deputy commissioner of KV, Mr. R. C. Pandey, principal, KV, IIT Kanpur including Dr. H. C. Verma scientifically lit the lamp in a way Infront of the teachers. They used a carbo battery which made by raw materials as a lighting lamp and when circuit was completed the LED glows. Mr. Yogesh Jha & Mr. Amit Kumar Bajpai presented some simple experiments and discussed its Physics. Dr. H. C. Verma sir gave wonderful DHAMAKA session. He showed simple experiments which conducted by mostly everyone, such as rocket balloon, Verma sir emphasised that its not a good demonstration of Newtown's third law. They also visited Sopan's labs.



In this series he demonstrated and discussed four –five things which has created myth in Physics, Verma sir removed the myths using simple experiments and discussion. After that a open house session was arranged, teachers asked their doubts and verma sir replied with their answers. On 25th September, a students interaction programe was arranged in L-7, IITK. 50 students from 9 KVs of Kanpur participated in it. Dr. Verma motivated them conducted a programe Learning Physics through Nature (LEPTON), students already submitted their questions for discussion which verma sir discussed with them. Both the days were fruitful and full of academic enrichment.

Sopan Ashram Scientific Visit by GGIC

100 students of std 11-12 with their teachers visited Sopan Ashram on 29th September 2025. We divided students in two groups and showed simple science experiments. Dr. H. C. Verma sir interacted with both the groups and talked to them. He talked to them related to Nature, Sir said that it is our responsibility to keep the earth healthy and not let it get sick, reduce the production of carbon dioxide as much as possible, keep an eye on every little things. They visited our labs and setup experiments of outdoor. Students were very happy and wanted more visits of Sopan Ashram.



Sopan Anaupacharik Shikshan Kendra (SASK)

In September, several engaging academic activities were conducted at SASK.

Teacher's Day Celebration at SASK

SASK celebrated Teacher's Day on 5th September 2025 with great enthusiasm and respect. Students from classes 5th to 8th expressed their appreciation by creating thoughtful poster slogans and gifting flowers and pens to their teachers.

The celebration included various student performances to honour the occasion. Rani from Class 4th began the event with a graceful *vandana*.



Deepika from Class 4th recited a heartfelt poem, while Shiva from Class 8th spoke about the important role teachers play in shaping students' lives. Durgesh from Class 8th highlighted the significance of Teacher's Day and shared insights about Dr. Sarvepalli Radhakrishnan, whose birthday is celebrated as Teacher's Day in India.

Academic Activities

Seema Verma ji explained the concepts of solar and lunar eclipses through visual demonstrations, helping students understand them better. Students of Class 8 learned about minerals and metals found on Earth, along with the chemical properties of metals and non-metals. In Class 7, students practised solving mathematical equations using simpler methods and also wrote essays on Dussehra and Mahatma Gandhi in English.



Suneeta Ji taught students about the rich diversity of India, highlighting how different states have unique languages, cultural attire, and lifestyles.

Students of Classes 2 and 3 were taught the pronunciation of vowels 'a' and 'e' and practiced reading and writing numbers from 1 to 100.

Hindi Diwas

Hindi Diwas was celebrated at SASK on 14th September with great excitement. Students from Classes 3rd to 8th actively participated in various competitions organized to promote and appreciate the Hindi language. A dictation competition was held for Classes 3 to 8, where Mansi (Class 3), Shivani (Class 5), Rani (Class 6), and Avantika (Class 7) were selected for their excellent performance. An essay writing competition was also conducted for students of Classes 5th to 8th, where they wrote thoughtful essays on *Mahatma Gandhi* and *Dussehra*.



Under the guidance of Suneeta Maurya ji, a Hindi grammar competition was organized, which included tasks like writing synonyms, plurals, idioms, and phrases. The celebration concluded with students from Classes 7 and 8 delivering short speeches on the importance and value of our mother tongue, Hindi.

Uniform Distribution and Craft activities

School uniforms were distributed to students from Classes 3rd to 8th. This year, 40 students received their uniforms and were delighted to receive them.

Seema Verma ji conducted a creative craft session for students of Classes 6 to 8, teaching them how to make beautiful designs using mosaic and mirror mosaic art. Students used this technique to create the logo of *Shiksha Sopan* and also learned to apply mosaic art on round MDF boards and clay pots—completing their artwork in under 10 minutes.



Pravah Baal Akhbaar

The September edition of *Pravah Baal Akhbaar* was thoughtfully prepared by Rani (Class 6) and Avantika (Class 7). In this edition, Rimjhim (Class 6) presented a beautiful poem dedicated to Teacher's Day. Durgesh (Class 8) shared his thoughts in the *Suvichar* column, while Mansi (Class 7) contributed an impressive drawing to the *Humari Kalakaari* section.

In the *Humara Vigyan* column, Shiva Arya (Class 8) wrote about the solar and lunar eclipses that occurred on 21st and 7th September, respectively.

Sopan Ashram Evening Center(SAEC)

4-Day Experimental Session by Dr. H.C. Verma

A special 4-day experimental session on electricity was conducted at the Sopan Ashram by Dr. H.C. Verma. During the session, he explained the basic structure of an atom—focusing on the number of electrons, protons, and neutrons, and how a free electron is formed when an electron moves too far from the nucleus. He then discussed the concept of electric current as the flow of electrons, connecting it to real-life examples such as how electricity flows through wires to power devices in our homes. He also explained how electric current is linked to magnetic fields and helps in understanding phenomena like radio waves. The first three days were filled with engaging discussions and explanations.

On the fourth day, Dr. Verma provided students with equipment like ammeters, voltmeters, and wires to conduct simple experiments for measuring voltage. This hands-on activity helped students gain a clearer understanding of how electric current works. Overall, the session was a valuable and exciting learning experience for all the students involved.



Physics Class by Dr. Avinash Jaiswal – Topic: Centre of Mass

A special physics session was conducted by Dr. Avinash Jaiswal on the topic of Centre of Mass. He explained what the centre of mass is, how every object has one, and how it can be identified or even shifted in certain conditions. To make the concept clearer, Dr. Jaiswal used various objects—some of which he brought himself—to demonstrate practical examples. One of the key experiments involved a



pencil and a plastic pipe, where he showed how shifting the pencil's centre of mass over the pipe allowed it to balance without falling off the table. He also demonstrated the concepts of sound *saa ree gaa...* using two flutes—one made of wood and the other of plastic made by himself. The session was highly interactive, engaging, and sparked curiosity among the students. A small memento made by SAEC students was presented by Dr. H. C. Verma.

Sopan Visit and Interaction by IITK Students

On 22nd September, Dr. Anurag Tripathi visited the Sopan Ashram along with 13 students from IIT Kanpur. The visit began with a welcome and introduction by Mr. Amit Kumar Bajpai, who shared insights about the activities and educational initiatives carried out at the Sopan Ashram. Following this, the visiting IIT students were divided into small groups to interact with students in small groups. They conducted interactive teaching sessions on various topics for about one and a half hours, engaging the children through hands-on learning and discussions. After the session, Dr. Tripathi gathered feedback from the IIT students. Many of them expressed how deeply moved they were by the unique learning environment at Sopan and how inspiring it was to see such meaningful education being provided. Dr. Tripathi encouraged them to continue engaging with such organizations to contribute to society and to grow as responsible individuals. The visit concluded with everyone participating in games and singing songs together, creating a joyful and memorable atmosphere. The day ended with a vote of thanks and warm regards delivered by Centre Coordinator, Vinay Mishra ji.



Awareness Activity

On the auspicious occasion of Navratri, a special activity was organized at the SAEC. In this session, Vinay Mishra ji informed all the children in detail about the important helpline numbers currently available in the country. Through this, the children learned that such helpline numbers can help them feel safe anywhere.

After this, children were taught the real meaning of illiteracy, violence, female foeticide, child marriage, dowry system, and sin, and how to understand and prevent these issues in life.

A class 9 student, Shivangi Mishra, portrayed Goddess Durga and, through an activity, demonstrated how Goddess Durga showed the power of women's strength by defeating demons. She connected this message to modern times, emphasizing that women today are also alert and powerful.



Barasirohi Evening Center (BEC)

In September, regular academic classes resumed at BEC, with students following their respective syllabus.

Teacher's Day Celebration

On the occasion of Teacher's Day, center coordinator, Ms Kshama spoke to the students about the importance of teachers in shaping the future of the Nation. She also shared the inspiring story of Dr. Sarvepalli Radhakrishnan, in whose honor the day is celebrated. To express their gratitude, students made handmade greeting cards and flowers. They shared the names of their favorite teachers and discussed what qualities



make an ideal teacher. Students were encouraged to reflect on the traits of both good and bad teachers, and wrote essays on the topic. The celebration also included poem and song recitations by the students.

Hindi Diwas

On 14th September, students were taught about the significance and history of Hindi Diwas. They learned that on this day in 1949, the Central Government of India adopted Hindi as the official language of the Nation, and since 1953, Hindi Diwas has been celebrated every year to honor the beauty and richness of the language, which is spoken in most states across India. As part of the celebration, students memorized and recited two Hindi poems, along with dohas and shlokas, in front of their classmates.



Pushpendra ji also introduced the students to some of the legendary Hindi poets such as Surdas and Tulsidas, and shared insights into their literary contributions.

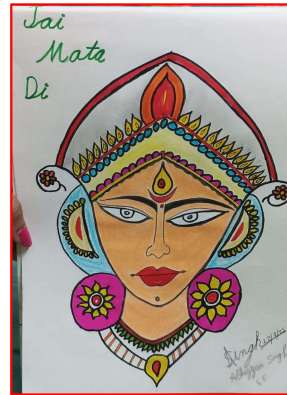
Others

Pushpendra ji actively supported the students in overcoming their study-related challenges. He made learning easier by helping them understand the difficult topics of mathematics. Former student Aman ji also visits the centre every week. He interacts with the students, checks on their progress, listens to any challenges and shares new learnings to support their growth.

Sopan Library

Several engaging activities were held at the Sopan Library in September 2025.

- ❖ On Teacher's Day, children created beautiful greeting cards to express their gratitude. The elders shared inspiring stories about Dr. Sarvepalli Radhakrishnan and spoke about the vital role teachers play in a student's life—one of the most respected roles in a child's journey.
- ❖ As part of the daily routine at the library, a thoughtful and educational story is read and discussed, followed by a brainstorming session on a relevant topic or book.
- ❖ On Hindi Diwas (14th September), children participated in a dictation competition and showcased their creativity through vibrant drawings.
- ❖ With exams approaching, students are now focusing on their preparations. On the occasion of Dussehra, they made beautiful drawings of *Ma Durga*, *Shri Ram*, and *Ravan*, painting them with colors of their choice. They were also taught about the cultural significance of *Navratri* and the nine forms of *Devi* worshipped during this festival.



अंधकार को क्यों धिक्कारें, अच्छा हैं एक दीप जलायें

Web site : For more details, please visit www.shiksha-sopan.org

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Email Contacts : hcverma@iitk.ac.in, anurag@shiksha-sopan.org, sopanbajpai@gmail.com
info@shiksha-sopan.org

Postal Contact : *Sopan Ashram, 12/1-3 Chakratanpur Road Nankari, Kanpur 208016*
Dr. H. C. Verma, Dept of Physics, IIT Kanpur, Kanpur 208016

Phone contacts : *Mr. Amit 9506611484, Mr. Ranjan 9235905046*