



# Shiksha Sopan

**An Initiative of IIT Community for social upliftment**

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## Newsletter May 2025

Dear Readers,

Namaste! The May 2025 newsletter contained April activities of all the centres. Shiksha Sopan conducted a big event for students as well as teachers at Kanpur University and at Pryagraj. First Sunday Club for teachers, Outreach activity of Shiksha Sopan Majlis, Academic activities at SASK and Pravah Baal Akhabar, SAEC activities and its Annual function, Sopan library were running very well.

Please find the centre wise reports given below

### Verma sir ki Pathshala (वर्मा सर की पाठशाला)

A mega event organized by Amar Ujala in association with Shiksha Sopan, Anveshika and Kanpur university. The name of the event was "वर्मा सर की पाठशाला". The event organized in the premises of CSJM Kanpur University on 12<sup>th</sup> April, 2025. It was 3 hours event from 9.30 AM – 12.30 PM. Around 1000 students and their teachers were present from different schools and colleges.



Dr. H. C. Verma, Prof. Sudheer K Awasthi, Pro VC, Kanpur University, Dr. Rajesh K Dwivedi, Director, Basic Sciences, CSJM University, Mr. Prasoon Shukla and Mr. Ravindra Supekar from Amar Ujala, lighted the lamp in-front of Goddess Maa Saraswati. Mr. Amit Kumar Bajpai anchored the whole event. A 30 minutes science show was conducted by Shiksha Sopan, Mr. Ranjit, Mr. Ritesh, Mr. Himasnhu and Mr. Vinday showed very eye catching and interesting experiments to the audience. Dr. H. C. Verma sir gave a wonderful session, he shared his childhood story, most importantly that learning is more important than getting marks, learning to think and sharpening your mind. And if you learn to think with your mind, you will do your best in any difficult situation.



During the program, the poster of National Anveshika Experimental Skill Test (NAEST) was also launched and students were also given information about it. Std 9-12 and B.Sc - M.Sc students will participate and register in this event. The last date of the registration is 20<sup>th</sup> May, 2025. It is a unique experimental examination conducted every year in the guidance of Dr. H. C. Verma. For more information you may visit, <https://naest.shiksha-sopan.org/>.

### Verma sir ki Pathshala at Prayagraj

The same event was organized at Prayagraj on 28<sup>th</sup> April, 2025. This event was organized at Motilal Nehru Medical College, Auditorium. More than 600 students and their teachers participated in it.

Mr. Amit Kumar Bajpai and Mr. Ranjit Kumar gave wonderful attractive science show to the present members. Students appreciated the session and involved in many activities. Dr H. C. Verma sir talk was marvellous and very much interactive. Students asked many questions from Verma sir and verma sir replied their answers. Principal medical college, Dr. Santosh Shukla, Executive Secretary, NASI, Dr. Akhilesh Tiwari, IIIT, Prayagraj and other guests were present during the session.



### First Sunday Club (FSC)

FSC is regular monthly activity of Shiksha Sopan and Anveshika. Science and Mathematics teachers from Kanpur and near by districts participate in this activity. In April, it was conducted on 13<sup>th</sup>. 33 teachers were participated, Dr. Anita Singh asked a question that what is the difference between weight and mass, she told him, there is a lot of debate on this, Verma sir explained it very easily. Mr. Himanshu, showed a demonstration in which he used cu, aluminium plate and carbon powder. He made a battery out of these items and showed the voltage of the battery using multimeter. It was so simple and everyone will try to make it and use it in the classroom teaching. Everyone appreciated the effort made by Mr. Himanshu.





## SOpan OutReach MAjlish (SOORMA)

A outreach programme of Shiksha Sopan, SOORMA, is running well, every month SOORMA conducts one offline and one online programme for teachers. SOORMA programme is running in coordination of Mrs. Smita Fangariya. A offline session on 27<sup>th</sup> April conducted at Noida centre and the resource person of the day was Mr. Vijay Kumar.

He talked about diffraction during his session. He also did experiments using CD and DVD. Vijay ji explained the formation of its grooves in terms of pits and lands and how the reflection coefficient of pit was made different from the land. Because of their structure, these discs can act as good reflection gratings. The various maxima formed by the grating were shown. A transmission grating was also shown and laser light shined on it was passed through smoke. The path of light was clearly visible.

Three groups of teachers were created and they were given the task to find out the spacing between the constructive line of the CD.

The values obtained were found to closely match with ones specified for the CDs. Then they did the experiment with white light and using the obtained value of spacing, they found the wavelength of the violet and red light. Some teachers also found the width of their hair. It was an enjoyable session for everyone.

## Electronics Workshop

The 5-day Electronics Workshop was held at Srajanik Lab, Sopan Ashram, Nankari. It was mentored by Mr. Hariom, 2nd-year B.Tech, IIT Madras. The workshop aimed to introduce students to the fundamentals of electronics through hands-on learning. Participants ranged from Class 9 to M.Sc., with one enthusiastic Class 8 student. A total of 32 participants registered, Certificates awarded to

16 students who attended at least 3 days and scored 40% or above in the final quiz. The workshop covered basic components, sensors, Arduino programming, and project building. Daily sessions included interactive activities, circuit building, and coding exercises. Students built mini-projects like sensor-based circuits and motor controls. The workshop successfully ignited interest in electronics and practical innovation among students.



## Sopan Anaupacharik Shikshan Kendra (SASK)

### **Result Distributed**

On 2<sup>nd</sup> April, the results of the students were distributed at the SASK. All the students came with their parents to collect their annual result. The students who performed exceptionally well in the exams were rewarded by Sopan, along with their parents. The parents were very happy to see their student's results, and the student were also delighted to receive the prizes.



### **Admission for New Student**

On 7<sup>th</sup> April, a new session began at the SASK. During the same month, the admission process for new students was also initiated, and a few new student were admitted. At the beginning of the new session, all the student introduced themselves during the morning assembly.

### **Baal Sabha**

Every Saturday, a Bal Sabha is organized for the students of the SASK. This Bal Sabha is conducted by the student themselves, where they express their thoughts and creativities through songs and stories. During the Bal Sabha, student share motivational stories, sing songs, and recite poems. It is an engaging and enjoyable event for the student every Saturday.



### **Academic Activity**

In academic activities, all the student learned how to give a self-introduction in English. This topic was covered in details. Ms. Seema Verma informed the student about good manners and bad habits. She also explained the concepts of joint families and nuclear families.

In Mathematics, Seema ji taught students from Class 4 to Class 8 how to understand 6-digit numbers, write, read them in words and identify number expansion and place value.

Sunita ji teaches the roles and importance of people associated with local professions such as farmers, doctors, carpenters, blacksmiths, tailors, cobblers, potters, masons, and sweepers.

Under moral education, Anamika teaches student from Class 1 to Class 5 about the National emblem.

### **Pravaah Baal Akhbaar**

This time, the Pravah Bal Akhbar was prepared by Sanchi of Class 6 and Shivmohan of Class 8. In this edition, Avantika of Class 7 shared tips on how to protect oneself from the scorching heat of April. Sundari of Class 4 contributed a poem on the heat in the Bal Kavita column. Shiv Arya of Class 8 presented an inspiring thought in the Suvichar column. In the Kalakari column, Divya of Class 6 showcased a beautiful drawing.



## Board Result

Previous students of SASK, performed exceptionally well in the Class 10 board examinations this year. Lalit scored 81%, bringing pride to his parents and the institution. Sonam, another student, who secured 70%, while Ajit and Ankit both achieved 65%. Ms Seema Verma applied Tilak to the students who passed in the board examination and gave them sweets as well as blessed them for their future.



## Earth Day

Earth Day was celebrated at the SASK on 22nd April. Seema ji informed all the student about the origin, purpose, and importance of Earth Day.

The student were told that Earth is the life-giver for all living beings. It provides all the natural resources that trees, animals, and humans need to survive. However, if these resources are overused, they may be exhausted before time, making it difficult for humans to survive on Earth. To address this issue, it is essential to conserve the resources provided by nature. The importance of this conservation and the need for awareness were emphasized to all.



## Sopan Ashram Evening Center(SAEC)

### Annual Programme of SAEC

Every year SAEC celebrated its annual programme at Sopan Ashram. To celebrate annual event they organized two competitions, a poetry competition and a drawing competition on 6<sup>th</sup> April. These competitions were held for students living near the Sopan Ashram, student studying in schools, and those enrolled in Shiksha Sopan centres. All the competitions were conducted in different age groups. A total of 260 students participated in these events. Specific topics were given for both competitions. The hidden purposes of these events, students learn many skills from them.



On 20th April, the main event of its annual event was organized at Sopan Ashram. The main aim of the cultural / stage event to promote positive thinking in the community and keep everyone connected to Indian culture. This year's theme was centred around Lord Shri Ram, and the entire event was structured accordingly.

The program began with the singing of the Shiksha Sopan Dhyeye Geet ("Desh Hume Deta Hai Sab Kuchh") by members of the various institutions running the centre. Attendees were warmly welcomed, and the inauguration included floral offerings and lamp lighting before Maa Saraswati and Lord Shri Ram by the chief guests: Professor H.C. Verma, Professor Arnab Bhattacharya (Department of Computer Science & Engineering), and Assistant Professor Amarendra Edpuganti (Department of Sustainable Energy Engineering).

The song Hum Honge Kamyab was sung by the entire team of Shiksha Sopan. Students who were successful in all the competitions were given gifts by Sopan. In this program, specially the women living near Sopan Ashram were invited. Women sang songs in 5 groups by beating the dholak, there were 6-7 women in each group, everyone praised those songs a lot. Mr. Vinay Kumar Mishra coordinated well and anchored the event. SAEC students performed a skit based on Ramayana which was the last stage programme and appreciated by everyone. Dr. H. C. Verma, Dr. Arnab, Dr. Amarendra gave wonderful blessings to the audience, all the sopan members present and enjoyed the whole event.



### **Dr. H.C Verma Sir Special Class**

On 13th April, H.C. Verma Sir conducted a highly informative 1.5-hour session for the students. He explained various important concepts, such as the composition of air, including the percentage and order of gases like nitrogen and oxygen. He also discussed the formation of the Earth, which occurred about 4.5 billion years ago, and explained that cyanobacteria were the first cells to appear on Earth. Verma Sir described how these cells performed photosynthesis and how different types of cells and organisms evolved from them. He also explained the presence of water vapour in the air, introduced the units micrometer and millimetre, and talked about the increasing levels of nitrogen on Earth. Additionally, he discussed how natural snow forms and the causes and timing of floods. The session was very educational and engaging for the students.



### **Experimental class on Optics**

Mr. Himanshu Bhardwaj conducted an engaging science session for students from class 6 to 9, where he explained the concept of lenses in detail. He described the two main types of lenses—convex and concave—and explained how a convex lens bends rays, while a concave lens diverges them away.



He also performed several experiments, including one in which they measured the focal length of a convex lens using a scale. The students carried out the activity independently and showed their results to Himanshu. He also showed them how a convex lens can magnify objects. The students thoroughly enjoyed the experimental class and learned a lot from it.



## **Barasirohi Evening Center (BEC)**

This month, all the students at the center moved to their new classes. Along with this, a discussion was held with them about the new syllabus. The student of the center also actively participated in the competition organized at the Sopan Ashram.

### **Board's result**

On April 25, the results of the UP Board Class 10 and 12 examinations were declared, and the students of the center performed very well. In Class 10, Rishabh scored 63%, Himanshu 73%, and Riya Mishra 70%. In Class 12, Parul scored 83%, Manoj 73%, and Khushi 60%.

The student received best wishes from Pushpendra ji, who also encouraged them to continue working hard in the future. Former students of the center—Deepika, Priyanka, Abhishek, Ashwani, and Saurabh—were also present on the occasion. All the students expressed their happiness.



### **Earth Day**

Students were informed about Earth Day and the importance of environmental protection in our lives. Along with this, Pushpendra ji spoke to the student about the significance of trees in Telangana. He also explained the extent of environmental damage that has occurred due to deforestation and neglect.

### **Academic Activity**

On 27th April, Deepika ji, a former student of the center, gave all the student detailed information about general knowledge and historical temples and buildings.

Kshama ji taught the student the definitions and types of nouns and pronouns in Hindi, as well as vowels and consonants.

Pushpendra ji explained multiplication, division, addition, and subtraction in a simple and easy-to-understand manner to students from Class 5 to Class 8. In addition, the student were also guided on various problems related to their school subjects. Some students shared that they find it difficult to understand certain topics in school.

## Sopan Library

The daily activities in the library are continuing smoothly as before, helping to enhance the student's personalities through art, storytelling, and recitation of shlokas.

### Ramayan

Starting from Ram Navami, Bapat ji has been sharing insights every Saturday about how the various chapters (Kands) of the Ramayana were named. He also provided detailed information about the Ramayana and recited relevant shlokas. All the members thoroughly enjoyed these sessions, and many felt a renewed sense of energy and inspiration.

### Shlok Recitation Competition

On 24th April, a shloka recitation competition was organized in the library. All the student who visit the library regularly participated in the event. Bapat ji and Atul ji served as judges and listened to the shlokas recited by each child. All the participants performed very well. In the end, prizes were distributed to all the students



**अंधकार को क्यों धिक्कारें, अच्छा हैं एक दीप जलायें**

**Web site :** For more details, please visit [www.shiksha-sopan.org](http://www.shiksha-sopan.org)

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