

Shiksha

Sanskar

Swavalamban



# Shiksha Sopan

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

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**Newsletter February 2024**

Dear All, Namaste!

Shiksha Sopan organized a diverse range of activities in February. The newly executive committee which was formed in January, has been actively involved in leading these initiatives. We invite you to enjoy the newsletter and stay connected with Shiksha Sopan's activities. Here is a brief report.

## **Formation of New Executive Committee**

The term of the previous Executive Committee ended in December 2023, marking the commencement of the process to form a new committee. Consequently, on December 30th, 2023, a General Body Meeting (GBM) was convened at Sopan Ashram to facilitate the election of the new executive committee.

Fifty general body members assembled for the evening meeting, where Mr. Ranjan Upadhyaya, a distinguished senior member of Shiksha Sopan, presided over the proceedings, extending a cordial welcome to all present. Providing a comprehensive overview of the organization's endeavors spanning 2021 to 2023, Mr. Amit Kumar Bajpai elucidated the achievements and milestones attained during this period. Following Mr. Bajpai's report, Mr. Atul Kumar offered insights into the financial status of the organization, ensuring transparency and accountability.

Subsequently, Mr. Ranjan initiated the election process for the new Executive Committee for the next three years. The elected members and their positions are as follows:

1. Dr. Anurag Tripathi (President)
2. Dr. H.C. Verma (Treasurer)
3. Mr. Atul Kumar (Secretary)
4. Dr. Neeraj Mohan Chawake (Vice President)
5. Ms. Seema Verma (Joint Secretary)
6. Mr. Bharat Soumaiya (Member)
7. Dr. M. Deenachandra (Member)
8. Mr. Om Prakash (Member)
9. Mr. Bapi Ghourai (Member)

Permanent Invitee Members:

1. Mr. Amit Kumar Bajpai
2. Mr. Ranjan Upadhyay

## Shree Ram Mandir Celebration Event at Sopan Ashram

A Sundarkand path was conducted by all volunteers on the auspicious occasion of Ram Lala Pran-Prathistha (Dignity of Life) Program on January 22nd, 2024, at Sopan Ashram. Volunteers and local people were delighted during the Sundarkand recitation. Everyone participated in the aarti of Shri Ram Chandra Ji and Shri Hanuman Ji, spreading a sense of devotion. Prasad was distributed among the volunteers, fostering a sense of unity and spiritual connection.

All corners of Sopan Ashram were illuminated with lamps, filling the premises with light and love. The event filled us with pride and gratitude, and we extended thanks to everyone involved. Dr. H. C. Verma was invited to the Pran-Pratishtha event in Ayodhya, enhancing its significance.

After the event, Dr. H. C. Verma returned to Kanpur, where a Prasad Vitran event was organized at Sopan Ashram. All centers, local residents, and our students attended the session. Dr. H. C. Verma shared his experiences from the Pran Pratishtha program and showcased images through a projector. Everyone received blessings and prasad from Ayodhya, leaving them spiritually fulfilled.



## Republic Day at Sopan Ashram

Republic Day was celebrated with great fervor and joy at Sopan Ashram on January 26th, 2024. The flag was hoisted by Dr. H. C. Verma, Mrs. Gulabo Devi, and Mr. Ram Prasad Bajpai. Mr. Vinay Mishra sang the patriotic song "Desh Hame Deta Hai Sab Kuch...Ham bhi to kuch dena sikhien", filling the atmosphere with patriotic spirit. Sweets were distributed among the volunteers. Mrs. Gulabo Devi ji was honored with a shawl for her dedicated work.



## **Sopan Ashram Activities (SOASHA)**

### **Workshop in Lucknow**

On the first day of the year 2024, January 1st, Shiksha Sopan and Mitra-IAPT Anveshika jointly organized a student's workshop in Lucknow. Dr. R. K. Mitra, coordinator of Mitra-IAPT Anveshika, invited Mr. Amit Kumar Bajpai and Mr. Yogesh Kumar Jha to conduct a demonstration session for approximately 45 students and their teachers. The workshop commenced with the ceremonial lighting of the lamp in front of Maa Saraswati. Dr. Mitra provided an introduction to Anveshika and briefed the attendees about the Indian Association of Physics Teachers. Mr. Amit Kumar Bajpai introduced Shiksha Sopan and initiated the experimental demonstration session along with Mr. Yogesh Kumar Jha. Using readily available household materials, they demonstrated experiments covering magnetism, electrostatics, and mechanics. Following the demonstration session, students had the opportunity to visit Dr. Mitra's laboratory (Anveshika), where they gained further insights and learned additional experimental techniques.



### **Activity and Demonstration session at Jawahar Navodaya Vidyalaya (JNV) Sarsaul, Kanpur**

JNV Sarsaul invited the Shiksha Sopan Science Team for an activity and experimental demonstration session on January 4th, 2024 (Thursday) at the JNV premises in Sarsaul, Kanpur. The session commenced with a lamp lighting ceremony and the team members' introduction by Dr. Subhas Seth from the Physics Department at JNV. A captivating experimental session was conducted for the JNV students, including those from standards 9 and 11. Alongside providing free education, SASK conducts various skill development programs for the children, with the following activities conducted during this month.

Some of the Kendriya Vidyalaya students also attended the session. Mr. Yogesh Kumar Jha initiated experiments related to Mechanics, elucidating Newton's laws. Using a Pan balance, he demonstrated the concept of One Newton force, allowing students to experience the force firsthand. Mr. Ranjit demonstrated Newton's third law of Action-Reaction using a Pan balance and two ring magnets, leaving students astonished by the practical application of concepts from their textbooks. Mr. Amit Bajpai followed with experiments on Optics, illustrating reflection and refraction using a laser torch and glass bottle.

Following the 1.5-hour demonstration session, the activity session commenced. Students were provided with raw materials to create a model, including four small washer ring magnets, one base, and three PVC pipes. With these materials, students crafted an appealing model, enhancing their understanding.

Both students and teachers expressed appreciation for the interactive sessions and extended gratitude to the Shiksha Sopan team for organizing such engaging activities.



### **Educational visit by Sughar Singh Academy, Koyla Nagar**

Sughar Singh Academy's Koyla Nagar branch visited Sopan Ashram on January 17th, 2024, with their teachers. Fifty-four class 11th students participated in the visit. Initially, a common session was conducted, featuring science experiments and discussions on hobbies. They measured the room's volume and calculated the mass of air using online density data, revealing an unexpected result of approximately 220 kilograms.

Students were astonished, realizing the practical applications of formulas in daily life and connecting with nature through the Sopan team's efforts. In the second phase, students divided into three groups to explore different labs. One group focused on Optics and Mechanics in Lab 1, while another explored electromagnetism in Lab 2. The third group observed outdoor experiments. Each group rotated through all labs, providing a comprehensive learning experience.

Teachers interacted with the Sopan Team, expressing appreciation for the educational initiatives during the visit.



## **Apna Ghar Visited Sopan Ashram**

Students from Apna Ghar, along with other students visiting Kanpur from Puducherry, toured Sopan Ashram on January 31st, 2024. A total of 38 students and their teachers participated in the visit. Mr. Himanshu Bhardwaj conducted the initial common session, introducing Shiksha Sopan and demonstrating experiments related to electrostatics. Teachers expressed satisfaction with the interaction with the Shiksha Sopan team and praised the positive atmosphere of Sopan Ashram, noting the campus's uplifting vibrations. Students, accompanied by their teachers, toured Sopan Ashram and explored its laboratories.



## **First Sunday Club**

A teachers' interaction session was held on January 7th, 2024, at Sopan Ashram, commencing at 10 AM. The session began with all teachers paying tribute to Prof. Sameer Khandekar, expressing heartfelt wishes for his soul to rest in peace. With tears in their eyes, teachers fondly remembered him.

Notably, other faculty members from various IITs were present for this session. Despite their other commitments, they graciously dedicated their time to interact with teachers who regularly visit Sopan Ashram and participate in its activities. The session began with the customary exchange of questions related to science, fostering a vibrant discussion among participants. Dr. H. C. Verma oversaw the question-answer session, offering insightful responses to the queries raised.

Faculty members from various institutions engaged in interactions with the teachers. Dr. Chandra Sekhar Sharma from IIT Hyderabad, Dr. Chandan Upadhyaya from IIT BHU, Dr. Anurag Tripathi from IIT Kanpur, Mr. Vinay Kumar Trivedi from Shri Shakti Degree College in Ghatampur, Kanpur, and Dr. Anshuman Dalvi from BITS Pilani were among those present.



### **Three Days Science Teachers Workshop**

A three-day science teachers' workshop was held at Sopan Ashram from January 29th to 31st, 2024, with a total of 23 participating teachers. Each day featured a three-hour session. Teachers from Jagrati and Swami Vivekanand Vidyalaya attended, with Jagrati focusing on educating migrant children of brick laborers. Some teachers hailed from Swami Vivekanand Vidyalaya in Lodhar, while others were associated with Jagrati and worked in basic government schools of Kanpur.

The inaugural day of the workshop commenced with a lamp lighting ceremony, symbolizing the pursuit of knowledge, in the presence of the revered symbol of wisdom, Saraswati. Dr. H. C. Verma, principal resource person for the workshop, along with Mrs. Annapurna Dixit, Principal of Swami Vivekanand Vidyalaya in Lodhar, graced the occasion with their presence for the ceremonial lamp lighting. Subsequently, teachers warmly introduced themselves, sharing anecdotes and insights from their teaching journeys. As the camaraderie among the participants flourished, the academic sessions unfolded under the adept coordination of Mr. Amit Bajpai, who orchestrated the workshop's proceedings.

The first day focused on biology, with Mr. Anubhav Awasthi showcasing various grass types and their roots. He also demonstrated leaf stomata in a simple manner, earning appreciation from the teachers. Additionally, he illustrated the workings of a microscope. Mr. Ranjit Kumar showcased a handmade microscope crafted at Sopan Ashram, explaining its construction and quality. He suggested organizing a future workshop on constructing low-cost microscopes. Dr. Verma encouraged such demonstrations in their classrooms, fostering motivation among the teachers.

On the second day, the workshop delved fully into Chemistry. Mr. Ranjit skillfully demonstrated the safe generation of gases in the classroom, showcasing the production of Oxygen, Carbon Dioxide, and Hydrogen. Additionally, he conducted experiments illustrating acid-base reactions. Dr. Verma enlightened the participants on creating pH paper using Hibiscus flowers. The day was concluded with a quiz based on the elements.

The third day was dedicated to Physics. Mr. Amit Bajpai captivated the audience with demonstrations elucidating concepts such as air pressure, force, and engaging experiments related to heat and density. He emphasized the importance of making classrooms dynamic and engaging through such experiments. Teachers expressed their gratitude and provided positive feedback, expressing their desire for more workshops of this nature.



### **Sopan Anaupacharik Shikshan Kendra (SASK)**

During the winter closure from January 4th to 22nd, SASK remained closed. However, despite the holidays, some students attended SASK in the morning around 10:30 AM. Under the guidance of Ms. Seema Verma, they worked on creating science and mathematics models, showcasing their dedication to Shiksha Sopan and society. Additionally, some students sought assistance from Ms. Seema to clarify their doubts in mathematics.

### **Subhas Chandra Bose Jayanti**

On 23rd January 2024, Netaji Subhas Chandra Bose Jayanti was celebrated at SASK in honor of his birth anniversary. Teachers and students adorned the picture of Netaji with garlands. Master Shivismohan recounted the life story of Subhas Chandra Bose to the audience. Additionally, Ms. Divyansi, a student of class 8, informed everyone that this day is celebrated as Parakram Diwas throughout India.



### **Republic Day Celebration**

A Republic Day celebration was organized at SASK, with the entire campus adorned in the tricolor by students and teachers. This marked the 75th Republic Day celebration.



The Chief Guest for the program was Mrs. Pradhyna Khandekar, who hoisted the flag as everyone enthusiastically chanted "Bharat Mata Ki Jai," "Vande Mataram," "Jai Jawan, Jai Kisan," and "Jai Vigyan." The entire campus reverberated with patriotism.

Mr. Amit Kumar Bajpai, Mr. Ranjit Kumar, Mr. Atul Kumar, Mr. Bharat Saumya, Ms. Sunita Maurya, Ms. Rubi, and Mrs. Shikha Bajpai were present. The event was anchored by Ms. Seema Verma, the coordinator of SASK. Students delivered exceptional performances and received blessings from the guests.

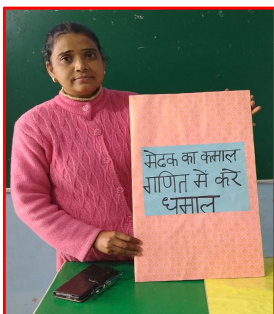
### Pravah Baal Akhbaar

A flagship monthly program of SASK is Pravah Baal Akhbaar. Students eagerly await its monthly publication. In the January 2024 edition, Bhadra, a standard 8 student, took charge. Shreya, from standard 7, extended New Year wishes. Avantika, in fourth grade, contributed poetry on Makar Sankranti, and Supriya, from fifth grade, presented a stunning picture in the Kalakari Column.



### Math's Model during winter vacation

During the winter vacation at Shiksha Sopan Anaupcharik Shikshan Kendra, children engaged in various mathematical model and project preparations, including Types of Fraction Model, Ascending and Descending Working Model, Types of Angles Model, LCM and HCF Working Model, and Mathematical Symbols, among others.



## **Barasirohi Evening Center(SAEC)**

Barasirohi evening center was closed due to the winter season from 1st January to 17th January 2024. The center reopened on 18th January 2024. On the reopening day, Mr. Jaiprakash Maurya, a senior member of Shiksha Sopan, conducted Mathematics and History classes for the students and provided information about Shiksha Sopan. Following this, Ms. Kshma and Mr. Pushpendra ji resumed the regular activities of BEC.

## **Sopan Ashram Evening Center(SAEC)**

### **Bhagwat Geeta Class**

Harshita ji, who teaches classes 6, 7, and 8 at Sopan Ashram Evening Centre, inquired about the difference between Shrimad Bhagwat and Bhagwat Geeta. She conducted special classes for the children on this topic. The children were introduced to the names of the 18 chapters of the Mahabharata, and a brief overview of each chapter.



### **Student Home Visit**

On January 10, volunteers from SAEC visited the homes of Class 10 students Neeraj and Deepesh. This visit aimed to provide guidance to the students as their board exams were approaching. During the visit, it was observed that both students were dedicated to their studies and preparing diligently for the exams. It is hoped that they will also become our valuable volunteers in future.



### **Special Bio Class by Prakriti Azad ji**

On January 13, Prakriti Azad ji gave a special Bio class to the students of classes 6 to 10, where he covered the following subjects in detail.

Control and coordination, Plant movement and hormones nerve impulse central nervous system, Autonomic nervous system neuron, Spinal cord, Proper note, Function of auxins and function of cytokinin, Difference between hormone and enzymes, Human brain



## **Sopan Library**

### **Activities of January are given below point wise:**

- ❖ Sopan Library members celebrated new year and wished to everyone for a good future ahead.

- ❖ Hand made greetings were distributed to the well-wishers of Shiksha Sopan.
- ❖ In the Sanskar Shala, students learnt many things like "Manglacharan", Prath Vandan, Deep mantra. Mrs. Bapat gave the class of Sanskar to the students.



- ❖ Sopan Library organized a competition on reciting slokas, with Mrs. Divya Tripathi, a resident of IIT Kanpur, serving as the judge. She appreciated the library's activities and distributed prizes to the winners, with parents also in attendance. Additionally, a discussion session on the library's activities was held, with written feedback and suggestions gathered for future implementation.
- ❖ Furthermore, a program based on the Ramayana was organized, with each member preparing short stories from different parts of the Ramayana to share with the students. The event commenced with the lighting of the lamp in front of the statue of Shri Ram Ji, accompanied by students reciting the Deep Mantra. Finally, an aarti was performed to conclude the event.
- ❖ Republic Day was also celebrated with joy in the evening at Sopan Library, featuring student performances of patriotic songs and dances.

**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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