

Shiksha

Sanskar

Swavalamban



Shiksha Sopan

An Initiative of IIT Community for social upliftment

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

Newsletter April 2023

Dear Readers, Greeting from the Shiksha Sopan family. The month of March was an exciting month because so many programs were conducted at our centers. Along with this, the festival of colours, love and spring, Holi was celebrated on 8th march throughout the Nation. At our centers, children, volunteers from IITK and people involved with our initiative, celebrated the festivals in their own distinct ways as specifically mentioned in the following sections. Additionally, many other academically rigorous events were organized.

Sopan Ashram Activities (SOASHA)

Sopan Ashram is coming up as a vibrant centre of social strengthening. People visiting this place often express the feeling of positivity and confidence. It is all due to the efforts of our Sopan volunteers who work so hard with the only aspiration of contributing to make many-many lives happy and useful.

DOSTI VISITIS

Sopan Ashram is steadily progressing as a Science Tourism destination. Number of groups visit our place and set a unique kind of environment at Sopan Ashram, science representing the mother nature through our experiments.

29 March 2023

Children of the government school from Raipur block of Kanpur Dehat came to visit Sopan Ashram. 50 students and 10 teachers Visited Sopan Ashram. Mr. Devendra Patel, Block Education Officer, Rajapur is closely associated with us from many years. He was keen to give real flavour of Science and nature to the children of his block. He himself was present during the whole visit and enjoyed together with the children.

Mr. Amit Kumar Bajpai first welcomed all the students, teachers and BEO. He demonstrated 3 simple experiments related to observation, he emphasized that observation is the key factor for learning the true spirit of science. Students visited Sopan labs and outdoor experiments with Yogesh ji, Ajay ji, Ranjit ji, Vinay ji and Anjali ji. Almost all the experiments are made from materials familiar to children irrespective of whether they are from rural area or urban areas. This makes their connectivity to science much better. Students as well as their teachers learnt new experiments and the principles of science. Mr. Patel, BEO requested the Sopan team for a teachers workshop for his Rajpur block. Sopan team will surely do it in coming months.



Melmilap and Birthday Celebration

Shiksha Sopan celebrated Melmilap on the occasion of Ramnavmi which also happens the birthday of our respected mentor, energetic, motivating, hard working, personality, Dr. H. C. Verma sir. Children from all centres gathered together with the guardians. The event started with lighting the lamp by Verma sir, children and IITK students.



Students of Sopan Ashram Evening Centres prepared wonderful song "Hum Katha Sunate Ram Sakal Gun Dham KI...." and volunteers of Sopan Ashram sang songs of Ram ji with Majira and Dholak. We also celebrated Dr. Verma's birthday, Mrs. Jyoti Pandiwal put Tilak on his forehead and also put sweets in the mouth. Bhajan with low voice and low clapping were going on during the tilak of Verma sir. This was the unique way of celebrating birthday of Verma sir by Sopan family. Students made attractive greeting cards for Sir and presented him. At the ends Verma Sir gave blessings to all of us.

Sopan OutReach: MAJlish (SOORMA)

The wonderful outreach program SOORMA in collaboration with Shiksha Sopan going very well. This outreach activity is meant for teachers from NCR. Participant's donations to Shiksha Sopan were collected by Mrs. Smita Fangariya, coordinator and given to Shiksha Sopan. Every month the team of Majlish meets, once in offline and once in online modes, both mode. A brief report of March 2023 as sent by the coordinator is given below.

Date: 12th March, 2023, **Offline Session, Resource person:** Ms. Smita Fangaria
Timings: 10:30 am to 2:00 pm, **Topic:** Experimental session on Stefan's law
Attendees: 10

Stefan's law in Physics is a greatly respected law which relates the power radiated by a hot body to its temperature. Elaborate set up is used to study this relation in UG/PG labs. But at Majlish a simple circuit similar to that used for the verification of Ohm's law at Std 10 level was used. Everyone was thrilled when they got slope of the graph of $\log P$ versus $\log T$ close to 3 from the data measured. They were in wow mode due to of the fact that a such simple circuit led them to approach Stefan's law. This experiment was done in the final round of NAEST-2022 at Sopan Ashram.



Date: 25th March, 2022, **Online Session, Time:** 4:30 pm to 6: 00 pm
Resource person: Dr. Sarmistha Sahu, **Topic:** Polarization, **Attendee:** 17

The session was based on the topic of polarization. Sarmistha Ma'am first explained the concept of polarization and Malus law at length. She talked about the role of polarizer and analyzer. She demonstrated many experiments using laser light and optical bench. Many of the results were quite a revelation for the participants. Everyone enjoyed the session.

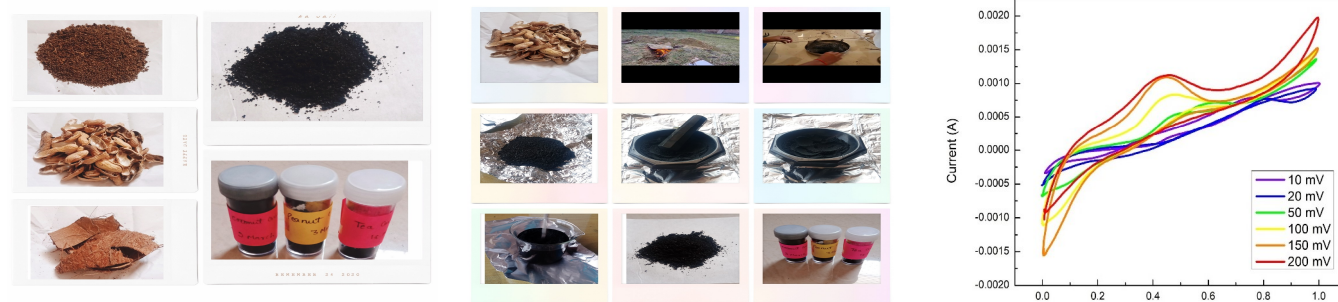
StUdents' REsearch Exposure LAB (SUREELA)

In the Students' Research Exposure Lab, several students have gotten exposure and training in the field of energy storage. Mr. Amit Khokhar, a B.Sc. student from M.G. Science Institute in Ahmadabad, Gujarat, has developed a flexible electrode made of MnO₂ nanoparticles grown over polymer PVA. He has successfully fabricated a pseudo capacitor that exhibits good capacitance. He spent around one month at Sopan Ashram and did the above research work with full dedication.

Similarly, Mr. Himanshu, a B.Sc. student from V.S.S.D. (P.G.) College in Nawabganj, Kanpur, along with Ms. Anjali Savita, an M.Sc. student from P.P.N. (P.G.) College, Pared, Kanpur and Mr. Ajay Kushwaha have developed activated carbon from agro waste material. They have successfully fabricated an electric double layer capacitor using their activated carbon.

Ms. Navya Raj, a B.Sc. student from Murarka College in Sultanganj, has developed an ionic conducting solid polymer electrolyte that exhibits high ionic conductivity. She has shown the applicability of the material developed by her as an electrolyte in electric double layer capacitors. She spent three months at Sopan Ashram and learnt a lot from here.

Some of the pictures related to their research are given below



Sopan Anaupcharik Shikshan Kendra(SASK)

Annapura Divas

SASK Barasirohi has been celebrating "Annapurna Divas" every year. This year, it was celebrated on 4th march 2023. The function commenced with Saraswati Poojan by Dr. Sameer Khandekar, Mrs. Pradnya Khandekar, Shri Amit Kumar Bajpai ji, the staff members of Sopan Ashram, Ph .D. students of IIT Kanpur.

Nandini, of standard 7th and Sonam, of standard 8th presented a welcome song "मन की वीणा से गुंजीत ध्वनि मंगलम ". In the introductory speech, the coordinator Ms. Seema Varma narrated the importance of food in the life of living beings. That is why in Indian culture the food is wisely named as the AnnaBramha, the God. Prof. Khandekar chanted the Bhojan Mantras (recited before taking the food) and explained the meaning of the mantra to the students.

Students and the teachers prepared the variety of delicious food like – *Chhola-Puri* , *matar masala puri*, *dahi-vada* , *batata vada* , *Paneer Pullav* , *Rasgulla*, *uttapam* and very well decorated *Salad*. Everybody enjoyed the food and appreciated the preparations.

The function concluded with Holi celebrations by students with all the guests offering multi color *Gulal*



Annual Examinations

Annual final examinations of the students from 1st to 8th standard were conducted from 15th March to 25th March, 2023. The results of the students has been declared on 31st March 2023 in the parents meeting. Study plans of next session classes of these students were discussed with the parents.



Classes of General Knowledge and Arts

The Classes of General Knowledge and Arts were conducted from 15th March after the examination for 2 hrs. The General Knowledge class was conducted for the students of standard 6th to 8th by Ms. Seema Verma. Under this the students were taught about the life of the great Patriots of India, tourist centres of India and the sports.

The students of standard 1st to 5th attended the class of Arts by Ms. Ruby Gautam ji. Under this students were taught to paint the posters on different topics like Save Water, Save Earth, Save Environment, Plantation, Pollution, etc. Students painted very good poster on these topics.



Gauraiya Diwas (Sparrow Day)

On 20th March, SASK celebrated Gauraiya Diwas in which the children made Gauraiya houses from colorful card boards and took a pledge to protect the sparrow. Ms. Seema Verma told all the children how everyone should keep a sparrow's nest in their home and at the same time keep some water for them in an earthen pot. Let us together take a step in the protection of sparrows.



Baal Akhbar

Like every month, this month also SASK published the next edition of Bal Akhbar. Shreya of class 6th and Sonam of class 8th prepared together Pravah Bal Akhbaar. Kajal of class 6th presented Holi festival wishes and a poem on Holi in the festival column. Thoughts of Savitribai Phule were presented in the Suvichar column. Shreya of class 6th gave detailed information about Annapurna diwas. Gungun of class-6 published the news on Sparrow Day. Nandani published news about Martyr's Day on 23rd March and Ram Navami on 30th March.

Sopan Ashram Evening Center (SAEC)

Volunteer's Visit

IIT Kanpur students Mr. Meet Saiya ji, Mr. Ghulam Farooqui ji, Mr. Kaushal Kumar Jha ji, Mr. Nagendra ji, Mr. Sanskriti ji, and center coordinator Mr. Vinay Kumar Mishra ji Visited Children's homes of the SAEC Center. The visit was specially for std 9th to 12th students. The visit was aimed to know about the family background so that along with education SAEC will properly guide them for their personality development.



Rastriya Tika karan Diwas

The children of the center were given detailed information about National Immunization Day celebrated on March 16 in India. The celebration of this day started in the year 1995. On this day that is 16 march, 1995 the first oral dose of polio vaccine was given in India. Also on this day, with the aim of making India polio free, the government had started the 'Pulse Polio' campaign.



Hindi Special Classes

IIT student Ankita ji started Special Hindi classes for class 9th and class 10th children. Language is the media for explaining views, thoughts and making communication. It plays the most important role for taking relationship with others. Hence good knowledge of language, and the norms of spoken language should be properly understood along with the knowledge of grammar.

Glimpse of Sopan Ashram 'Sanskar'

Alok, Hariom, Sagar are students who have studied from the Sopan Ashram Evening Center and have just taken their 12th Examination. All these three students are now giving their time at the Evening center. Along with their studies, these students came to Sopan Ashram and taut the children. Alok, Hariom and Sagar are very good in their studies, and they are specially teaching children of class 6,7,8 in the Sopan Ashram premises.



Barasirohi Evening Center(BEC)

Holi Celebration

Kshama ji narrated to the students the cultural, environmental, and social aspect of celebration of Holi, the festival of colours. As per Indian *panchang* this festival is celebrated in the month of *Falgun*. It is the sign of arrival of *vasant ritu* and the festival is like welcoming the *vasant ritu*. Socially, the festival is taken as an opportunity for the good new beginnings forgetting all bad and sour experiences of the past. It is victory of good deeds over bad deeds.



We celebrated the festival in the evening centre, students offered multicolour Gulal to everyone. The sweets were distributed to the students.

Pushpendra ji guided students about the precautions to be taken while playing with the colours during the festivals. Some students painted the posters of Holi festival.

International Women Day

International Women Day was celebrated at the centre on 10th March. Students were guided to pay honour to the women for the important role they play socially and at the family level. Students were made aware about the great achievements of women in the different fields like Business, Politics, Social activities etc.

Special Class by Ajay Kamal

Ajay Kamal took a special class for the students of the center on 18th March, in which he gave detailed information about area, perimeter, length, width etc., to the children. He used supporting materials during his teaching making the class much more attractive, enjoyable and easy to understand.

Sopan Library

As usual this month of March was also full with variety of activities. Some of the highlights are here.

- ❖ Anil ji explained the difference between *Astik and Nastik*.
- ❖ Pari Saumya performed story tailing titled *Chatur Chidiya*
- ❖ Celebrated the Holi sharing sweets and sweet thoughts.
- ❖ One of the members of library Shipra ji, who always received a motivation from the library, has excelled in the literature. She has been honoured with "Sahitya Shree" in Unnao for her contribution to the literature.
- ❖ Anita ji explained about the *Vrutrasur and Moksha*.
- ❖ Mona ji talked about the *Jwalamukhi Mandir* – one of the 51 *Peethas of Bhagavati*.

अंधकार को क्यों धिक्कारें, अच्छा हैं एक दीप जलायें

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

How to donate: [Shiksha Sopan](#)

(b) You can write cheques/draft for donations in the name of "Shiksha Sopan" payable at Kanpur and send to the address given below.

(c) Online transfer can be made in State Bank of India, IITKanpur branch. Account No. **10426002488**, Account name "Shiksha Sopan", IFSC code **SBIN0001161**

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