

Shiksha

Sanskar

Swavalamban



# Shiksha Sopan

An Initiative of IIT Community for social upliftment

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Newsletter February 2022

Greetings from the Shiksha Sopan family. We hope you and your family are healthy and safe. As you know Shiksha Sopan is always focused towards the development of the educational environment in society and for that we are doing regular practice which helps in uplifting the level of education. A National event was conducted successfully at Sopan Ashram, Republic Day celebration conducted in January, and several other activities were planned and took place. We would like to share our experiences and work details with you.

## Central programs

### **Joy of Physics & National Anveshika Experimental Skill Test**

Sopan Ashram organized Joy of Physics workshop and National Anveshika Experimental Skill Test (NAEST) semifinal and final rounds at Sopan Ashram in two slots. The first slot was for Jr. students (std 9 to 12) and the second slot for Sr. students of B.Sc and M.Sc. First slot of jr. was from 30-31 December and 1<sup>st</sup> January 2022. Second camp was from 3<sup>rd</sup> January to 5<sup>th</sup> January 2022. The Sopan Ashram celebrated year ending and year coming with energetic selected students from NAEST round. During the camp Covid Protocols were strictly followed. Proper sanitization was done frequently. Mask was compulsory for all visitors and Sopan volunteers whenever they were outside their rooms.

The first camp was inaugurated by our patron Dr. H. C. Verma. Ms. Sandhya Mishra, Dr. Anita Singh, and semifinalist participants lighted the lamp in front of a portrait of Maa Saraswati. Led by Ms. Sandhya Mishra, a volunteer, after the lamp lighting a welcome song was sung by SAEC children under the guidance of the Sanskrit teacher of Opportunity School.



Many sessions were conducted, but the main attraction point was interactions with IITK faculty members. Dr. Anurag Tripathi, Associate professor of Chemical Engineering Department, IIT Kanpur, gave an excellent talk on granular materials. Dr. Tripathi came with various seeds, grains, and plastic dibbas. He demonstrated a variety of experiments along with his students. He also motivated the students to do more work without thinking much about the output and explained this through the shlokas of Bhagawad Gita. Students greatly appreciated the whole session of 2.5 hrs.



Some of the parents also joined this interactive session and were impressed by the delivery style.

Mr. Somnath Danayak, Technical Superintendent, Material Science, IIT Kanpur also conducted an interactive session on Optical microscopes. He discussed the materials, bonding structure, etc. He showed different types of surfaces through an Optical microscope and explained about the setting up of the microscope. Students were full of wonder to see the pattern of the copper surface through a microscope. Students and Mr. Danayak discussed a lot related to an optical microscope, setting, materials quality, etc.



Continuing the interactions with IIT Kanpur faculty, a session was held by Prof. Sameer Khandekar, Head of Department, Mechanical Engg, IIT Kanpur, who is closely associated with Shiksha Sopan. He gave an excellent and compelling lecture on heat and thermodynamics. Dr. Khandekar showed various experiments in which he introduced thermocouples and explained how the temperatures of different zones of flame could be measured using a thermocouple. He also spoke about about the conductivity of materials, the temperature of an LED bulb, etc. The session was very dynamic, and all the students vibrated with this energy during Prof. Khandekar's presentation.

Mr. Manish Yadav took another session. He is a Primary Science Teacher, Auraiya, a National Teacher Awardee, and a very popular teacher. He gave two sessions: one was on the research story of the electric bulb and an experimental demonstration session. All the participating students enjoyed both sessions. He gave an excellent talk on the invention of the bulb.

A group of Shiksha Sopan students, std 9th to 11th, gave the participants a beautiful and memorable Light Entertainment Science Show (LESS). In one of their experiments, a wooden meter scale was kept on a convex lens, and the task was to rotate the scale without exerting any contact force. It was a kind of a challenge to the audience, and the task was completed after lots of discussion. One of the students rubbed a plastic PVC pipe with a woollen cloth and kept this charged pipe near the wooden scale, which started its rotation. Some tasks took a much longer time to complete. College students were amazed to see the performance of the Sopan students.

Every visitor of Sopan Ashram who entered the campus was impressed to see the building, the behaviour of the team and its management, vegetarian food served from our side, the outdoor experiments, the cows, vegetables, fruit trees, and the calmness in Sopan Ashram.

## Republic Day

As we know we all celebrate 26th January as Republic Day. On this day, our constitution came into existence. Shiksha Sopan celebrated Republic day at Sopan Ashram, where Dr. H C Verma hoisted the flag along with the core team of Shiksha Sopan. After the flag hoisting the core team and Verma Sir discussed the progress of Shiksha Sopan in the past six months and thoughts for the future. In the past six months we started many new programmes and also developed the infrastructure .



SASK celebrated this day at the centre where the Coordinator of SASK Seemaji, Sunitaji and Rubyji hoisted the flag. They placed a flower wreath on the portrait of Bharat Mata. After the hoisting, SASK conducted a quiz competition for students in which Ms. Seema Verma prepared a question paper titled "Atul Bharat ka Darshan." This paper included questions related to Republic Day.

BEC also celebrated Republic Day with their students. Geetaji interacted with the students and told them about the reason behind the celebration of Republic Day. She spoke about those people who contributed to making our Constitution.

The library celebrated Republic Day virtually with its members. The Coordinator of the Library Mrs. Pushpa Tripathi interacted with the members and students during the celebration. She told them about the history of the Constitution.

## [Sopan Anaupacharik Shikshan Kendra \(SASK\)](#)

### Winter vacation

On 30th December, due to the extreme cold, the Center was closed as per the District Magistrate's order. There was also a rise in the cases of Covid in January, and Dr. Sameer Khandekar advised us to close SASK and operate it online.

## Distribution of Mask and stationary

On 3rd January 2022, There was a stationery distribution program organized. Due to winter vacation, all the students were at home, so all were called to the Center with proper Covid protocols for the distribution program. Ph.D. student Nidhiji along with her team distributed N95 masks and stationery. The stationery included a register, pen, pencil, and sharpener. They also distributed chocolates on the occasion of New Year to start the year with sweets. Nidhiji and her team gave a demo on how to use masks properly, and they also asked students to take new year's resolutions which would help them to improve their lives.



## Celebration of 12<sup>th</sup> January

Despite the Centre being closed due to the pandemic, we know that 12th January is essential for Shiksha Sopan. On that day, Shiksha Sopan has established as an idol for all youngsters. Swami Vivekananda was born, so this day is extraordinary for us.

Due to the critical situation, all the students were at home. So Seemji did E-Samvad to celebrate this day. All the students celebrated this day full of enthusiasm and presented their views on various topics. Students also made a portrait of Swamiji to celebrate his Birthday.



## Preparation of study material

SASK was closed and all the students were at home, So volunteers of SASK prepared the study material for the students at the center and delivered them to the houses of the students. During the students' home visit, volunteers listened to the problems related to their studies and resolved them. Seemaji provided study material related to Math, Science, and English, and Sunitaji provided study material related to Hindi, Sanskrit, and Social Science.



## Prawah Bal Akhbaar

The teachers prepared the January edition of Bal Akhbaar. There were various columns in it, like Corona ka Kabar in which news about the pandemic was written. There was other content like the Fun-Time Column in which "Find the difference" was included. Some other columns based on Hindi Diwas, Sopan foundation day, Swami Vivekananda Jayanti, and news about the Netajii Subhash Chandra Bose hologram inaugurated by PM Narendra Modi at India Gate on the occasion of Netaji Jayanti.





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

### **Academic Activity**

Before the Covid outbreak BEC was regulated offline, but at the beginning of January, as the Covid third wave arrived, the BEC shifted to online mode. During the online phase, students learnt the experiments taught by Amit Bhaiya along with which they also focused on subjects like English, GK and Maths. Those students who didn't have an android phone for taking the online classes were called to Geetaji and Kshamaji's house to resolve study-related issues.

### **National Hindi Diwas**

As we know, Hindi is our mother tongue, and we all have pride in it. 10th January of every year is celebrated as National Hindi Diwas. BEC celebrated this day with the students. On this day, Geetajii told them about the Hindi language and taught them Hindi grammar.

### **Rashtriya Balika Diwas**

In the present time, we can see that girls are doing better in every field and perfectly play their roles, whether as mother, sister, daughter, corporate employee, etc. As we know, girls are making the country proud by their performances in every field like Sports, Politics, and Science. So to give more support and encouragement, our country celebrates Rashtriya Balika Diwas on the 24th of January every year. On this day BEC coordinator spoke about the life stories of some women who are renowned for their achievements like Rani Lakshami Bai, Indira Gandhi, Pratibha Patil, PV Sindhu, etc.

### **Subhas Chandra Bose Jayanti**

Subhas Chandra Bose was a freedom fighter who contributed greatly to making our country free from British rule, so to remember him and his work for our land, we all celebrated his birthday on 23rd January. BEC celebrated this day with feelings of patriotism. On this day Geetaji told the life story of Netaji, so as to remember him vividly.

### **National Voters Day**

As we know, voters are those people who make the country strong by electing the government. India is the largest democratic country globally because here the people can choose their leaders with ease by casting their votes. But still, many people do not take part in the polls, so to make them aware, 25th January is celebrated as National Voters Day, so people realize their duty towards their nation. Geetajii told the students about the importance of this day and asked them to make their parents and nearby people aware of the need to vote.



## Sopan Library

This year the Library celebrated the new year in a different manner. On 2nd January the Library celebrated New Year and organized a small program in which children of the library participated in many events like Quiz Competition, Ganesh Vandana, Poetry, etc.

### **Demise of Padmashree Awardee Sindhu Tai**

On 4th January 2022, Padmashree Awardee Sindhu Tai passed away. The library held a programme to remember her. Pushpajii spoke about the life of Sindhu Tai. She said that Sindhu Tai was prominent in society, but she adopted poor children and guided them to make their lives good. Sindhu Tai served about 1000 children until her death and was a teacher to them.

### **Birthday celebration of first female teacher**

As we know, the first female teacher in India was the the late Savitri Jyotirav Phule. Savitri bai was an inspiration to all women. The library celebrated her birthday as a message to all females that they are not less than anyone. Pushpaji told us about Savitri bai and how she worked for women's development.

अंधकार को क्यों धिक्कारें, अच्छा हैं एक दीप जलायें

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

**How to donate:** [Shiksha Sopan](#)

(b) You can write cheques/drafts 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, IIT Kanpur branch. Account No. **10426002488**, Account name "Shiksha Sopan", IFSC code **SBIN0001161**

(d). People in US can use the link <http://www.iitk.ac.in/dora/donation/PayPal/> and Choose Shiksha Sopan Charitable Contribution to donate through IIT Kanpur Foundation using credit cards. All donations are 100% tax deductible in the United States. IIT Kanpur Foundation (Tax ID: 94-3370645) is Tax Exempt under 501(c)(3) classification of IRS.

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