



Shiksha Sopan

An Initiative of IIT Community for social upliftment

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

Newsletter March 2024

Dear readers, Namaste!

In the month of February 2024, every centre including the core team of Shiksha Sopan involved in preparation of a grand event of Science Fair at Sopan Ashram. Here is a brief detail with photographs of the event. Other activities like visit, studies etc. are also going well. The brief report of the February is given below-

Sopan Ashram Activities (SOASHA)

Vigyan Mela at Sopan Ashram

A flagship program of Shiksha Sopan, "SAMJHO" (Science Ab Mere Jeevan me HO), was held on February 10, 2024, at Sopan Ashram. The event spanned from 10:00 AM to 4:30 PM. The entire team of Shiksha Sopan dedicated considerable effort to ensure the success of the science fair. The science cell members were actively engaged for approximately a month in crafting various models, posters, and displays for the audience. Invitations were extended to schools, colleges, institutions, and university students along with their faculties to attend our Science Fair. Additionally, local community members, including those less familiar with science, were welcomed. Our objective was to instill a scientific temperament in all attendees, whether they were involved in scientific studies or not. This marked the third Science Fair organized on a grand scale, attracting approximately 6,500 visitors from 75 different institutions.

Mrs. Saumya Pandey, IAS, Additional Labor Commissioner of Kanpur Nagar, graced the occasion as the Chief Guest. Other esteemed guests included Dr. Amit Niranjan, Mr. R. K. Tiwari, Mr. Ravindra Supekar, Mrs. Pradnaya Khandekar, and the guiding light of Shiksha Sopan, Dr. H. C. Verma. The inaugural session commenced with all members lighting the lamp and hoisting the flag at Sopan Ashram. Mr. Amit Kumar Bajpai extended a warm welcome to all attendees. Shiksha Sopan members presented flower bouquets and shawls to the distinguished guests. Dr. H. C. Verma provided an introduction to Shiksha Sopan and SAMJHO, followed by an inspiring address by Mrs. Pandey, motivating the students with her words. Mr. Ravindra Supekar conveyed the vote of thanks. Subsequently, all members toured the stalls, appreciating the efforts put forth by the students.

Approximately 30 diverse stalls were erected at the Science Fair "SAMJHO". Students from IIT Kanpur showcased their Terrain Vehicle and Formula Student Electric Vehicle, which became a focal point of attraction at the fair. A stall featuring drones and their components also garnered significant attention. Additionally, all Shiksha Sopan centers, including the Sopan Evening Center, Science Cell, Sopan Anaupcharik Shikshan Kendra, Barasirohi Evening Center, Sopan Library, Sopan research lab, and various scholarship information displays, were showcased. Notably, a model of the PSLV (Polar Satellite Launch Vehicle) captivated the interest of attendees, leading to

numerous selfies and photo opportunities. Complimentary sugarcane juice was distributed to all attendees. Attached are a few photographs providing an accurate depiction of the fair.



Group Photograph of Vigyan Mela Team



Katyayan School Visit

On February 1, 2024, the science team of Shiksha Sopan visited Katyayan School, Awas Vikas, Kanpur. Hundreds of students engaged in discussions about Physics through simple experiments and videos. Mr. Amit Kumar Bajpai and Mr. Ranjit Kumar, both representatives of Shiksha Sopan, conducted experiments for the students. Mr. Deepak Mishra facilitated the coordination between the school and Shiksha Sopan. We were warmly welcomed by the academic coordinator, who provided an excellent platform for interaction.

During the visit, Mr. Ranjit Kumar demonstrated an engaging experiment involving two ring magnets and an iron nail, leaving the students astonished. Subsequently, discussions about the scientific principles behind the activities ensued among the students. Mr. Amit Bajpai also conducted experiments and interacted with the students, fostering a lively and interactive session. The students displayed keen interest and actively posed questions, while teachers appreciated our engaging approach to interaction with the students.



Session at CSJM University, Kanpur in Basic Science Department

The Basic Science of Schools at Kanpur University held Science Day on February 26th and 27th, 2024, catering to B.Sc., B. Tech, and M.Sc. students. Dr. Anju Dixit, Deputy Director of Basic Science of Schools at Kanpur University, extended an invitation to the Shiksha Sopan Science Team for a Science Show. The show's theme was "Fun with Physics," and it attracted around 250 students.

Mr. Amit Kumar Bajpai, Mr. Ranjit Kumar, Mr. Yogesh Kumar Jha, and Mr. Vinay Kumar Mishra orchestrated a magnificent, captivating, and spectacular Science show at the university. Dr. Anju Dixit expressed gratitude to all involved, while faculty members from various departments graced the event with their presence.



Session at Bundelkhand University, Jhansi

Bundelkhand University, Jhansi, organized Vigyan Diwas to commemorate National Science Day. The event spanned an entire month, commencing on February 1st, and concluding on February 28th. Dr. Sanjeev Srivastava, the event coordinator, extended an invitation to Mr. Amit Bajpai and Mr. Ranjit Kumar for a demonstration session with their students and teachers. Mr. Bajpai and Mr. Ranjit conducted a session lasting 2.5 hours.



On National Science Day, February 28th, at Bundelkhand University, Jhansi, a session was conducted by Mr. Amit Kumar Bajpai and Mr. Ranjit Kumar. They engaged with students from junior schools of the basic department, along with their teachers, as well as B. Tech and B.Sc. students who attended the session.

Teachers Training and Enrichment Sessions

A three-day residential workshop was organized at Shrinagar, Uttarakhand, in Dr. Hemwati Nandan Bahuguna Central University for PGT Physics teachers of Uttarakhand. The workshop, funded by DST, was coordinated by Dr. Hemwati Nandan, Head of the Department of Physics. It took place from February 21st to 23rd, 2024. Mr. Amit Kumar Bajpai was invited as a resource person for two days. Alongside Mr. Yogesh Kumar Jha, they conducted two sessions covering various topics.

Approximately 40 teachers participated in the workshop. On the first day, Mr. Amit Kumar Bajpai and Mr. Yogesh Kumar Jha delivered a session on Electrostatics and Magnetism, which received exceptional feedback from the attendees. The following day, they conducted a session on optics, demonstrating experiments related to reflection, refraction, scattering of light, color mixing, polarization, diffraction, and interference using a razor blade.

The teachers provided positive feedback about the sessions, expressing their enjoyment and appreciation for the engaging content.



Sopan Anaupacharik Shikshan Kendra (SASK)

Every year, SASK commemorates Annapurna Diwas with its students. This year, the celebration took place on February 1st, 2024, at SASK Barasirohi. Under the guidance of teachers, students prepared a variety of delicious and flavorful dishes. Ms. Seema Verma, the Coordinator of SASK, enlightened the students about Annapurna Mata and elucidated the significance of food. She emphasized the vital role of food in maintaining health, highlighting its rich content of minerals and vitamins. Ms. Verma also explained the students by discussing the association of food with our festivals and how they complement each other.



On the occasion of Annapurna Diwas, Dr. H. C. Verma, Dr. Anurag Tripathi, along with his wife Mrs. Rashmi Tripathi, Mr. Amit Kumar Bajpai, Mr. Atul Kumar, and Mr. Bharat Saumya graced the event. Mrs. Rashmi Tripathi shared a captivating story related to Annapurna Diwas. Students prepared a diverse array of dishes including Uthappam, Rasgulla, Chola, Paneer ki Sabji, Boondi Rayata, Green Salad, Batata Bada, Mix Veg, Puri, and Kachauri. They diligently maintained hygiene standards, ensuring the food table remained neat and clean. With food prepared for around 40 people, students also assisted in serving. The quality of food prepared by students and teachers received appreciation from all present. This event provided valuable learning experiences for the students.

Basant Panchami Utsav

SASK celebrated Basant Panchami (Spring season) Utsav on February 14th with teachers and students. The school teachers worshipped Goddess Saraswati Maa. Ms. Seema Verma narrated the story of Mother Saraswati's origin and offered Bhog Prasad. She explained that Basant Panchami signifies the joy of our crops—wheat, barley, chana, etc.—being ready, prompting the celebration of the festival. After the puja, students resumed their studies in their respective classes. Prasad was distributed to everyone after school.



National Science Day

National Science Day was celebrated at SASK on February 28th, 2024. Students from classes 6-8 showcased experiments demonstrating concepts related to air pressure. The experiments included "Dancing balloon," "Glass with the power of Hulk," and "The Naughty balloon," among others. Under the expert guidance of Ms. Seema Verma and her team at SASK, students engaged in various activities. Shiv Mohan and Durgesh from class 6th exemplified the concept of air pressure through their own model involving plastic bottles and straws. The program witnessed enthusiastic participation from all children involved.



Special Class from Nature

A special class was organized for the children of SASK to broaden their knowledge beyond textbooks. In this session focused on plants, students were introduced to various types including aquatic and desert plants, which were showcased for their observation. Seema Ji, leading the session, encouraged students to share their feedback on the plants. She elaborated on aquatic plants, discussing their ability to survive for months in Martian terrain devoid of water. Additionally, students were educated on the causes of water pollution and preventive measures. Through the session, students were sensitized about "Jal Sarkshan" (Save Water) to spread awareness in the SASK neighborhood.



Pravah Baal Akhbaar

In February, Pravah Baal Akhbaar, curated by Shraddha of class 8th, featured a range of contributions from students. Shraddha highlighted the coverage of the Science Fair at Sopan Ashram, which was published in the Amar Ujala Newspaper. Shreya from class 7 shared her reflections on Annapurna Diwas, while Nandani of class 8 showcased her poem in the Meri Kavita column. Vaishnavi of class 6 delivered a melodious rendition dedicated to Maa Saraswati during the Basant Utsav. Furthermore, Shiva of class 6 contributed a thought-provoking piece in the Suvi char column of Baal Akhbaar.

Sopan Ashram Evening Center(SAEC)

Visit Yugank Home

Yugank, a ninth-grade student who regularly attends SAEC, had his parents invite Shiksha Sopan volunteers to their home. Yugank's sister, Janta, is also an active SAEC student. Mr. Vinay and other members visited their home and discussed academic matters. Yugank's father expressed appreciation for SAEC's educational efforts.



Sanskrit Class

A unique initiative spearheaded by SAEC volunteers commenced with the inception of Sanskrit classes on February 19th. The inauguration of the camp was graced by the esteemed presence of IIT Kanpur Professor Ajit Chaturvedi, who served as the chief guest and blessed the children. Also in attendance were Professor Arnav Bhattacharya, Sanskrit teacher Pralay Manna, along with Ms. Ankita Kumari, Mr. Amit Kumar Bajpai, Mr. Vinay Mishra, and Mr. Anubhav Awasthi. Shri Manna ji initiated the class with a Sanskrit Shloka, followed by a welcome song presented by 4-5 children who are actively engaged in Sanskrit classes with Manna ji on the IITK campus.



Mr. Amit Kumar Bajpai extended a warm welcome to all the guests and provided a concise overview of the ongoing activities at Sopan Ashram. He also presented shawls and coconuts to them. Ms. Ankita ji skillfully anchored the entire session, while Mr. Vinay Kumar Mishra delivered a vote of thanks.

Sopan Library

The activities that took place in the library during February are as follows:

1. Alongside Shlokas, the children in the library were also instructed in Sopan's motto song 'Desh Hume Deta Hai Kuch' in the Sanskar Shala.
2. Library members diligently prepared various models and items for the Science Fair held at Sopan Ashram on February 10th. These included paper crafts, science models, mathematical games, and presentations on the phases of the moon.

3. Sopan Library actively participated in the flower show organized by IIT Kanpur. Under the guidance of Mrs. Pushpa Tripathi, the library coordinator, Mr. Bharat ji, Anita ji, Archana ji, Priti ji, Raksha ji, Richa Pal ji, Rahul ji, and Pari ji represented the library.
4. Throughout the month, children selected specific words and shared their thoughts on them. Subsequently, they practiced crafting stories using these sentences, feeling pleasantly surprised by the results.
5. Additionally, two new members joined the library this month, further enriching its community.
6. Basant Panchami was celebrated in the library, graced by the presence of Pragya Khandekar Ma'am. Children recited numerous poems and shlokas.
7. Pragya Ma'am thoroughly enjoyed the event and provided valuable suggestions for the upliftment of the library, and all members assured her of their commitment to implementing them.



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, 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.

(e). All donations are Tax free (up to 50%) under section 80/G.

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

Postal Contact : [Dr. Sameer Khandekar, Dept of Mech. Engg., IIT Kanpur 208016](#)
[Dr H C Verma, Dept of Physics, IIT Kanpur, Kanpur 208016](#)

Phone contacts : [Mr. Amit 9506611484](#), [Mr. Ranjan 9235905046](#)