

Shiksha

Sanskar

Swavalamban



Shiksha Sopan

An Initiative of IIT Community for social upliftment

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

Newsletter August 2023

The primary objective of this monthly newsletter, which was started in 2008, is to keep the well wishers of Shiksha Sopan informed of our activities. Here we've come up with a brief report for the month of July 2023 that witnessed a number of activities, such as a visit to the Sopan Ashram, a teachers' interaction session, the VNK program, a mango party, and a unique initiative of Bal Akhbar writing.

Sopan Ashram Activities (SOASHA)

Sopan Ashram is emerging as a vibrant centre for social strengthening with frequent feedback of optimism and confidence from our visitors. The relentless work of our Sopan volunteers, whose main objective is to have a positive impact on as many people as possible, has made all of this possible.

Bundelkhand University Student's Visit

15 selected students (11 boys and 4 girls) of B.Tech from Bundelkhand University of different stream visited Sopan Ashram on 22nd July. Their night stay arrangement was at Sopan Ashram. Students were very much excited to see Sopan Ashram.

First, we gave outdoor visit to them, they were surprised to see naughty pendulum which was hanged at the main gate of Sopan Ashram. The pendulum, specially arranged near the main gate of Sopan Ashram to discuss many more things related to simple pendulum, simple harmonic motion etc was also a big hit. Mr. Yogesh Kumar Jha, Mr. Anubhav Awasthi and Mr. Amit Kumar Bajpai gave the outdoor visit. After the visit, they took their breakfast which was also arranged at Sopan Ashram. After that they visited Laboratory 2 where we had arranged experiments related to magnetism for them. Everyone was amazed to see very low-cost experiments but high-level discussion on topics which they had studied. Mr. Amit Kumar Bajpai gave a brief introduction of Shiksha Sopan to them. They were very happy to see the whole setup. They also visited research lab, video editing room, and computer lab. They gave many thanks to Sopan team for their valuable visit. Their mentor, three faculty members from their university were also present during the visit and enjoyed the whole session.



First Sunday Club (FSC)

Monthly interaction program of teachers happened at Sopan Ashram on 2nd July 2023. Teachers assembled and came with their academic problems to discuss in the FSC. First, we discussed their problems one by one. We collected opinion of gathered teachers and after that Dr. H. C. Verma sir explained with wonderful and simple solutions of the problems.

In this month we demonstrated how we can make a light beam using your mobile torch and do many experiments of optics using this beam. We also generated a question, why we see this beam on the paper. The teachers came up with their opinion on the question and a wonderful discussion happened. Everyone was amazed that with the help of a mobile torch, a hard sheet with a slit cut into it, and a paper, wonderful interactive discussion happened.



We gave them task to do experiments using this beam like measuring the refractive index of water, oil, glass etc., and, also to demonstrate simple phenomenon like reflection, refraction.

Dr. Brajesh Pandey, Executive Director, Indian National Science Academy (INSA), New Delhi was present and interacted with teachers.

After the session we arranged snacks, again a chance to discuss Physics each other with sip of tea.

Teachers Workshop

District Magistrate (DM) of Kanpur dehat, Ms. Neha Jain visited Sopan Ashram earlier in the month of June and saw the infrastructure, style of teachers training and experiments in the lab. She planned to organize such kind of workshop / training for their junior level teachers of Kanpur Dehat.

With proper guidance of DM and Basic Shiksha Adhikari, 40 teachers were selected from different blocks of the district. Two-day workshop on 5-6 July 2023, was planned and conducted at Sopan Ashram from 8:30 AM to 5:30PM. Mr. Devendra Patel coordinated and managed the workshop from Basic Education Department.

The workshop started with lighting the lamp in-front of Maa Saraswati by Dr. H. C. Verma, Mr. Devendra Patel, Block Education Officer (BEO), Rajapur, Kanpur Dehat and Mr. Ajab Singh, BEO, Akbarpur, Kanpur Dehat. Mr. Amit Kumar Bajpai anchored and coordinated the workshop. Mr. Devendra Patel from education department gave a brief introduction and agenda of the workshop.

On first day of the workshop we completed Force, Pressure, Electrostatics, Magnetism and Sound. We gave selected demonstrations of these chapters to them. Mr. Amit Kumar Bajpai and Mr. Ranjit Kumar demonstrated the experiments and Dr. H C. Verma elaborated the discussion. Teachers were very much enthusiastic and frank to discuss the topics. Next day, we completed chemistry and biology experiments. We showed how to make oxygen, carbon dioxide and hydrogen gas with low-cost materials. We also demonstrated how to make PH paper using hibiscus flower. Both days they did the two activities by their hands and made wonderful Teaching Learning Material (TLM) with low-cost material which were easily available in nearby shops. Teachers appreciated this kind of training and wanted more training in the future. Both the BEO officers thanked to whole Shiksha Sopan team for the training as well as all kind of arrangements.



Jawahar Navodaya Teachers Training Workshop

Shiksha Sopan and Jawahar Navodaya Vidyalaya group mutually decided to train their PGT Physics in their training centers between July and September 2023. First workshop was conducted in Amritsar, Navodaya Leadership Institute (NLI) for four days from 19th July – 22nd July 2023. It was fully residential workshop. Mr. Ranjit Kumar attended the workshop from Shiksha Sopan as a resource person. The workshop started with lighting the lamp by Dr. H. C. Verma, other resource people and also authorities of JNV.



In this workshop we covered four broad topics Mechanics, Electromagnetism, Optics and Modern Physics. We prepared pretests (question papers) on each topics. We projected one question in-front of the teachers; teachers answered the question on a sheet of paper and submitted to us. Another question paper was projected the next day. Every day we took one pretest and after checking the pretest, Dr. Verma discussed the misconceptions, errors which they did and rectified it by discussions. Demonstration on these topics was done by Mr. Ranjit Kumar. Other session were also conducted by resource persons.



Combined Program and Event

Dr. V N K Merit Scholarship Distribution Program

This year Dr. V. N. Kulkarni Merit examination was conducted on 12th February 2023 in which 800 students from 40 schools registered for the examination. A total of 650 students took the exam from which a total of 30 students qualified the first phase. Following this, economic survey was conducted from which 14 students were identified for the scholarship. These scholarships were disbursed on 2nd July at L7, IIT Kanpur. Prof. Ajit Kumar Chaturvedi, Department of Electrical Engineering, IIT Kanpur was the Chief Guest of the programme. Dr. Chaturvedi, Dr. H. C. Verma, Dr. Sameer Khandekar, Mr. Ranjan Updhyay and Mrs. Anjali Kulkarni lighted the lamp. All the centers performed stage programs. VNK scholars received their scholarship from the guest. Mr. Amit K. Bajpai anchored the event. At the end, VNK Coordinator Mr. Atul Kumar gave vote of thanks. The whole event was successfully concluded.



Chandryan 3 Launching

The launching of "Chandrayaan-3" by ISRO was shown through projectors on 14th July at all the centres of Shiksha Sopan. Everyone celebrated this day in many ways and organized different types of events. Shiksha Sopan also invited the students from the villages near Sopan Ashram to watch the live launching using ISRO website through projector. Shri Amit Kumar Bajpai explained about the rocket and how it works.

The students were very excited during the launching. When the countdown started, students started shouting the numbers and clapped on successfully launch. After launching, everyone discussed it and many people wanted to become scientist in ISRO.

We will meet again on 23rd August at Sopan Ashram, Nankari. The rover will be landed on the evening of 23rd August. We will discuss about soft landing and other features on that day.



Painting Competition

On the occasion of Space Exploration Day, a painting competition was organized by Shiksha Sopan in all the four centres. Every centre coordinated and managed painting competition very well. The competition was organized for all the students of our centres. We distributed children in three categories, the first category belongs to class 1-5, the second category to std 6-8 and the third was std 9-12. We have plan to give prizes in next month to these students.



Sopan Anaupacharik Shikshan Kendra (SASK)

Together with free education of children, SASK conducts several programs to developed a variety of skills in them. The following activities were conducted in this month.

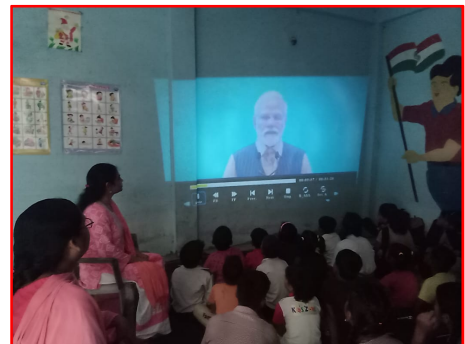
Mango Party

On 10th July the children of SASK celebrated Mango Day. The children tasted juicy tasty fruits on this day. Ms. Seema Verma explained the variety of mangoes and its benefits to the children. Kajal and Aryan of class 7th also prepared a beautiful poster themselves. Children of class 1st and class 2nd dressed in mango costumes recited a poem on juicy mangoes. Children danced on this poem.



PM Modi Speech

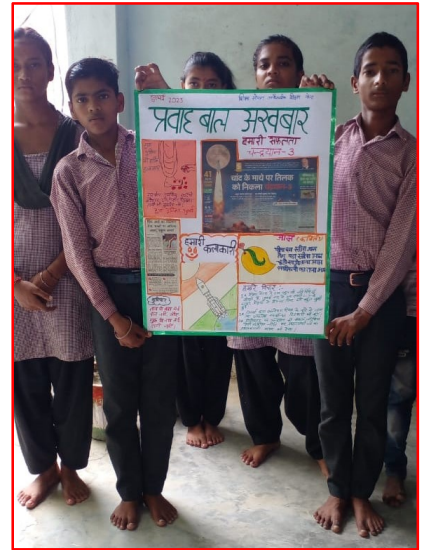
In the Sopan Anaupcharik Shikshan Kendra, the children saw PM Modi's speech through the projector. Prime Minister Modi addressed the inaugural session of the All India Education Conference organized in Delhi on the third anniversary of the New Education Policy. PM Modi said that every language of the country will get respect in the new policy.



Baal Akhbaar

Pravah Baal Akhbaar for the month of July was prepared by Shivmohan of class 6th and Nandani of class 8th. In which Divyanshi of class 8th published the biggest news of July 14, the successful launching of Chandrayaan 3. Shreya of Class 7th published few lines on Guru Purnima in the Guru Parv column on 3rd July in the belongings of teachers.

In the care column, Gungun of class 7th published the symptoms of fast spreading infection pink eye and the measures to prevent it from spreading. Varsha of class 3rd published a beautiful picture in our art column, Himanshu of class 5th published a good thought from suvichaar column.



Sopan Ashram Evening Center(SAEC)

Farewell and Meeting

A meeting was organized on 4th July in which discussions were held about what should be done at the evening centre. IITK students, Dr. H.C Verma sir Amit Kumar Bajpai ji, secretary, Shiksha Sopan and Vinay Mishra ji, coordinator were also attended the meeting.

Everyone gave their own suggestions in the meeting, Dr. H.C Verma sir said that we should do some combined classes for our students. He also focused that children should learn the basics of every subject very well so that they can understand the things easily.

After the meeting, a farewell of IITK students was done. Some of the students completed their course so they graduated from IITK. Certificate and a photo frame as a memento was given. They gave their invaluable time in teaching to the children of Sopan, for which Sopan is grateful to them.



Special Session

Dr. H C Verma Sir took a special session of 1.5 hour related to Moon for the students of class 6th , 7th and 8th on 7th July. He told the students what is the distance between them, the phases of the moon, moon revolution, etc . All this information was given to the children through ppt. Dr. Verma also gave one task to the students- to observe moon and write its position and shape on a paper for 15 days.



Special Class on Electronics

Hariom took a special class on component of electronics. In which he explained the basic things of electronics. First, he introduced the component like register, LED, battery, jumper wire, bread board etc. He gave these components in student's hand to feel and see these carefully. He also discussed on circuit and made a simple circuit on bread board. After that, students made the same circuit on the bread board.



Barasirohi Evening Center (BEC)

- ❖ BEC organized a special class on essay writing. Mr. Abhishek Sharma ji was the main teacher who gave tips to write essay easily. This class was organized on 22nd July for 6th to 8th students. He also emphasized on how to write essay in examination without cramming. Some of the active students wrote essay on same day after getting the writing tips from Sharma ji.
- ❖ A special class of mathematics was also given to 6th to 8th students, specially focused on LCM and Fraction problems in Mathematics.

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*

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