

Shiksha

Sanskar

Swavalamban



Shiksha Sopan

An Initiative of IIT Community for social upliftment

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

Newsletter June 2022

Dear Readers, Greetings from the Shiksha Sopan family. In the month of May Shiksha Sopan conducted and participated in different events, First Sunday Club for teachers, Majlish for teachers, Technology day with Amar Ujala, 3 days residential camp of 11th and 12th students at Sopan Ashram, Selection of students and Scholarship distribution of VNK. Regular activities of Shiksha Sopan running smoothly like evening learning centers, Sopan library. Brief report of all activities are written below for you.

Central programs

VNK Scholarship

As we know, Shiksha Sopan conducts Dr. V. N. K. Merit scholarship Examination every year for classes 5th, 8th and 10th. But for the past two years, due to covid outbreak, we were not able to conduct the exam. So we had decided to conduct the VNK exam this year. We changed the method of the selection of scholars from the previous years, no economic survey will be done specially for this examination. The students will get scholarships only on the basis of their merit.

On 24th April 2022, the VNK Scholarship exam was conducted at Opportunity School, IIT Kanpur, where 200 students were enrolled, and 170 students appeared for the exam. The exam was conducted very smoothly under the supervision of Mr. Atul Kumar (Coordinator). Designated volunteers checked answer sheets. After this, the results were announced on 5th May 2022.

The scholarship distribution program was conducted on 8th May at Sopan Ashram, where key members of Shiksha Sopan along with Trustees of Sopan Trust distributed the Scholarship. The program was hosted by Mr. Atul Kumar and Mr. Amit Kumar Bajpai. The scholarship was distributed by Dr. Chandan Updhyay, IIT BHU, Dr. C. S Sharma from IIT Hyderabad, Dr. Anil Kumar Gourishetty from IIT Roorkee, Mr. Vinay Kumar Trivedi, Manager, Shree Shakti Degree College, Dr. H. C. Verma, and Mr. Ranjan Bhaiya. At last High Tea was organized for all the guests, scholars of VNK and their guardians.



First Sunday Club (FSC)

In association with SGM-IAPT Anveshika Shiksha Sopan conducts First Sunday Club on every first Sunday of the month at Sopan Ashram. This club was basically dedicated to all teachers. 30 teachers from different places were present on 1st May 2022 at Sopan Ashram. Mr. Yogesh Jha welcomed all the teachers in the club and demonstrated one simple activity to them. After that teachers discussed on the questions asked by one of the teacher.

In this month Verma sir specially showed research lab (SUREELA) which was established at Sopan Ashram. Verma sir introduced and explained the working of the equipments which were available in the lab like Hydraulic press, different type furnaces, Liquid nitrogen and its container, pressure gauge, vacuum pump, temperature sensor, thermocouples etc.



Sopan Outreach- Majilis (SOORMA)

Two online sessions were conducted by team SOORMA. Mrs. Smita fangariya coordinated the sessions, the brief description of the sessions are as follows-

First Session: Date: 14thMay, 2022, **Resource person:** Mr. Amit Kumar Bajpai, Coordinator, SGM-IAPT ANVESHKA

Timings: 4:30pm to 5:30pm, **Topic:** Magnets, **Attendees:** 25

Mr. Amit K. Bajpai started his session by showing various types of magnets and then created interesting situations using them. He put two bar magnets together in a way their capacity of attracting iron pieces was greatly reduced and then made some changes in the arrangement which restored their capacity of attracting the iron pieces. This led to a discussion on the role of keepers used for the magnets. He demonstrated the magnetic properties of a razor blade and how it could be floated on water to behave as a magnetic compass. He also showed that a steel ball bearing kept at the periphery of a cylindrical magnet on its flat circular edge always moved towards its centre. This was a demonstration of the fact that the strength of the magnetic field of cylindrical magnet is large at the centre of its flat circular face as compared to the periphery. He also showed beautiful experiments using ring magnets.

Everyone loved it when he demonstrated the paramagnetic and diamagnetic behavior of certain substances. He ended the session by creating an enthralling situation in which a person was sitting on a plastic chair. The chair was charged by beating it with a cloth. And to everyone's amazement he could create and show a spark by bringing his finger very close to the finger of the person on the chair.

It was an amazing session. Mr. Yogesh helped him in all the demonstrations done online.



Second Session

Date: 29th May 2022, **Resource person:** Dr. Sarmistha Sahu and Mr. Ameet,
Timings: 4:30pm to 5:30pm, **Topic:** Quiz on Alternating current circuits,
Attendees: 20

The session was conducted jointly by Sarmistha Ma'am and Ameet Sir. They showed short videos based on Alternating current circuits created by Sarmistha Ma'am herself and posed quiz questions based on the video. It was a very thought-provoking session for all the teachers attending the session.

Sopan Anaupacharik Shikshan Kendra (SASK)

Celebration of Mother's day

As we know mother is the second god on the earth. In the world, a mother is the only person who sacrifices the most for their children. So, for this, we celebrated mother's day on 8 May. SASK celebrates this day with full of enthusiasm. On this day, the coordinator, Seema Verma, called the mother of the children and gave honor by presenting the mother's day card that the children make. Children sang a song "Meri Pyari Maa" . Arpita of class 4th and Aryan of class 5th gave a speech on mothers and recited the poem.



Craft activity

We know only study is not enough for the children, we should also teach them some extracurricular activities to make them creative and broaden their minds. So, for this, SASK conducted craft classes every Saturday in May, where children from class 5th to 8th made colorful pen stands using paper. Sonam, of class 8th student, guided this activity with the children and learned to make walls hanging by the used CD.



Logic Mathematics

In May, a two-day logic mathematics workshop was conducted for class 5th to class 8th. This workshop was taken by SASK Coordinator Seema Verma, in which Ms. Seema Verma taught "How we use Logic mathematics in any work. She said that understanding the logic of solving any problem mathematically is Logic mathematics.



Summer vacation

Due to the scorching summer, SASK declared summer Vacation from 22nd May to 3rd July 2022 for classes 1st to 8th. SASK will reopen on 4th July 2022

Baal Akhbaar

In the May Edition of Baal Akhbaar, the below news was published –

➤ In Mahapurush Jayanti column, Aryan of class 6th wrote about the author of Rashtra Gaan Poet Ravindra Nath Tagore.

➤ Shreya of class 6th wrote a poem on the occasion of mother's day, "Maa."

➤ Ankit of class 8th presented the thoughts of Ravindra Nath Tagore.

➤ Roopa of class 6th wrote the article in Ajab Gajab Vaigyanik column, and Shradha of class 7th wrote about summer vacation.

➤ Durgesh of class 5th asked for some exciting Puzzles, Divya of class 3rd presented Fill the color column, and at last, Dheyay geet of Shiksha Sopan was introduced in the Baal Akhbar.



Barasirohi Evening center (BEC)

Mothers Day

On 8th May, BEC celebrated mother's day with full of dedication. On this day, all the children made an attractive card and presented it to their mother. Along with this, some activities were also organized, and also BEC coordinator Ms. Kshma Dwivedi gave a speech on the sacrifice done by our mothers.



Alumni Visit

On 11th May, one of our ex-student Mr. Ashwani Kumar who got selected for the Air force in 2020, came to the home on holiday. He went to the center between these holidays and interacted with the students. He told about the training and life of an Airforce cadet. He also clears all doubt of the students related to taking selection in defense and how we can prepare ourselves to take an appointment.



Academic classes

BEC was running its academic classes as usual in May month. Our volunteers were taking regular classes on the entire subject. One of the volunteers, Mr. Pushpendra, taught reasoning. The reasoning is a fascinating and vital topic because this topic helps the student to think broadly and creatively. Additionally, Mr. Abhishek (volunteers) gave knowledge about political science.



Special visit

On 21st May, a Ph.D. student of IIT Kanpur, Ms. Atika, visited BEC. She gave knowledge about "Rock and Mineral" through a flow chart and some books related to this topic. So, children can increase their knowledge and can know about our nature. topics.



In this sequence, on 26th May, some more Ph.D. students came to the center, including Ms. Atika, Shreya Agarwal, Prateek Tiwari, and Abhishek Sawarnya. All these students came to the center and asked about the ongoing studies on children. They also interacted by discussing various topics.



Science cell

National Technology day

On the occasion of National Technology day, Amar Ujala (News Paper)in association with Shiksha Sopan conducted a huge and wonderful program " A tech of Udaan" at CSJM Kanpur University. Science cell team of Shiksha Sopan participated in this program and demonstrated Science experiments with full of enthusiasm. A stall was given by the team of Amar Ujala and our volunteers showed different science experiments which attracted the eye of every visitors. Shiksha Sopan team lead by Mr. Amit Kumar Bajpai (Secretary Shiksha Sopan), Mr. Yogesh Jha, Mr Vinay Mishra and Ms. Neha Katiyar along with children from Shiksha Sopan also participated.

Around 1200 students of class 11th and 12th with their escort teachers from different schools of Kanpur were present in the auditorium of University and it was fully packed. The main attraction of the Technology day program was interaction with Dr H. C. Verma and Dr Sameer Khandekar. Dr Khandekar gave wonderful speech on Jugad (Make shifter) to Technology. Other programs also scheduled and at last the open session was conducted, in this session students asked the question to Dr. Verma. Dr. Verma answered their questions and motivated them for hard working. Here a link is given in which a students asked a question to Dr. Verma and listen sir's reply. <https://youtu.be/xqZb-ZCDF1q> . We are giving thanks to whole team of Amar Ujala for this wonderful, attractive event.

The whole technical program anchored by Mr. Amit K Bajpai.



Three days residential Camp

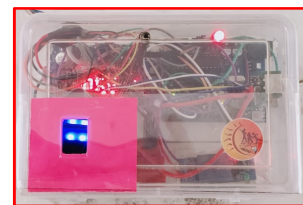
Three days residential summer camp was organized at Sopan Ashram from 22nd to 24th May 2022. 25 Students of class 12th and their 4 teachers from Satya Public School, Ekona participated in the camp. Dr. H. C. Verma inaugurated the camp and interacted with students. Students gave brief introduction about them in front of Verma sir. Variety of sessions were organized for them. Mr. Shivansh, class 9th and Mr. Hariom, class 12th gave wonderful session on electronics. We had also given training on experiments to them. Ms. Neha Katiyar gave experimental session to them and one Light Entertainment Science Show (LESS) session by Sopan evening center students which was coordinated by Mr. Vinay Mishra.



Prof. Sameer sir also interacted with them and shared about his journey to Ladakh. He showed beautiful natural pictures of his visit and also showed problems which Ladakh people faced in different seasons and how they produce the hard situations.

Gate locking system using electronics

One of our talented students Shivansh Kushwsaha made a door lock system using fingerprints and put it on R&D gate. This sensor is based on Auridon. The outer frame of this sensor made by another talented student Mr. Hari Om.



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**

(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
sopaniitk02@gmail.com

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](#)