

Shiksha

Sanskar

Swavalamban



# Shiksha Sopan

An Initiative of IIT Community for social upliftment

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

Newsletter December 2022

Greetings to all Shiksha Sopan Well wishers. The month of November is always pleasant and vibrant as the weather is at best, no scorching Sun, no piercing winter and no defying rain. With nature at its best, Shiksha Sopan gets even ore energetic to pursue its dream of making the society stronger through meaningful education. SASK, SAEC, BEC, all units made November 2023 very special. At National level, Shiksha Sopan collaborated with Indian Association of Physics Teachers in conducting National Anveshika Experimental Skill Test to promote doing experiments to understand the secrets of Nature better.

## Sopan Ashram Activities (SOASHA)

### **DOSTI VISITIS**

Development of Science Tourism Initiative is a project of Shiksha Sopan in which Sopan Ashram is developed as a Science Tourism, a unique attraction of Kanpur. Through new features are continuously added, The schools and colleges are sending their students in an organized way. Five such DOSTI visits took place in November 2023. Depending on the level of students, we plan the visit activities. Broadly, our science team shows them a number of eye catching and thought provoking experiments and make them feel the omnipresent character of Science. We have used the walls and windows, the sunlight, trees and plats to explain so many science concepts. Our mechanical workshop gives the visitors a first hand experience of how desired structure are fabricated using drilling, cutting, welding and so on. The normal period of visits is 3-4 hours. Our DOSTI team comprising of Shree Amit Kumar Bajpai, Mr. Ranjit Kumar, Yogesh Kumar Jha, Mr. Vinay Kumar Mishra, Mr. Ajay Kamal, Ms. Anjali Savita and Ms. Swati, takes up the responsibility of giving tour of various facilities to visitors in smaller groups.

### **16<sup>th</sup> November: M. R. Jaipuriya School, Naramau**

This school is one of the good school of Kanpur. They sent a batch of 65 students to Sopan Ashram for DOSTI Visit. As usual, a common introductory session was given to students including demonstration of simple phenomena. Through this, Scientific thinking and analysis was developed. The students were divided in three groups and were given a guided tour of indoor and outdoor facility. In the final combined session, Dr. H. C. Verma interacted with the students and guided their thought process in a streamline manner.



## 23rd November: Patara Block Govt. Schools (Junior)

Several Govt. Schools of Kanpur and surrounding districts have found Sopan Ashram as the most effective and accessible place to inculcate interest in Science through practical demonstration. The students of rural areas are most attracted by the fact that science is demonstrated with most of the materials they are familiar in their daily life. The education department of these district recommends their school to do DOSTI Visits of their students.

50 students and 10 teachers, selected by the department, from Govt schools of patara lock visited Sopan Ashram on 23<sup>rd</sup> November. The first Science session was conducted by Amit ji, Ranjit ji and Yogesh ji. The experiments were selected keeping in mind the students are from class 6-8 group and from villages. Most of them were in game type or magic mode. Scientific explanation were also given at their level. Everyone enjoyed the session. The Basic Shiksha Adhikari (BSA) Shree Surjit Kumar Singh was present throughout this session and was very happy to see the enthusiasm of children and their skills to think, question and understand Shiksha Sopan presented a framed image of Einstein to BSA Sir.

This session was followed by tour in smaller group, let to our resource persons to explain all the models and experiments.



## 25th November: Gambhirpur Kachhar School

Ms. Renu Verma is a very active teacher at this Government School and takes her own initiatives to develop her school children. She arranged DOSTI visit on 25<sup>th</sup> November with 23 students. These children from class 6 to 8.

Their place is at about 12 Km from Sopan Ashram and the students came by 3-Wheeler autos, one of the auto driven by a parent only.

The students enjoyed our DOSTI visit programs seeing experiment indoor outdoor and finding assembled in bright and pleasant Sun where Dr. H. C. Verma lead a chit-chat with them for almost one hour. The talk started with the question " Who is most directly responsible for auto to run?" Through petrol, engine, tyers, electric circuits, driver, the final credit converged to the friction by the road. Lively participation by children to this and some more topics was very enjoyable for everyone.



### **26th November: Doon International School, Kanpur**

35 students of class 11-12 from this school visited with some of their teachers on 26<sup>th</sup> November. These students were from a very different background as compared to the Govt Schools of rural areas. The discussions, experiments and the tour were tailored to accordingly so that the thinking, analyzing and enjoying comes to these students through our projects. The teachers too participated in the tour and were very happy to see such a scientific facility existing in Kanpur.



### **29th November : Sarsaul and Kanpur Block Students**

The last DOSTI visit of November was on 29<sup>th</sup> November where 100 + students from Sarsaul block Kanpur Nagar and Kalyanpur block, Kanpur participated as per planned by the Education Department. This was a large group but our DOSTI Volunteers did a very good job and all students were given individual attention and all queries and discussion were properly addressed.



### **Sopan Anaupacharik Shikshan Kendra (SASK)**

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

#### **Games day**

The 3<sup>rd</sup> and 4<sup>th</sup> Saturday, namely 19<sup>th</sup> and 26<sup>th</sup> November were celebrated as Games days for students of class 1 to 4. Ms. Rubi, a teacher-volunteer at SASK led to show. The games were designed/selected to enhance the mental abilities as well as to improve the Physical strength. Some of games were नमस्ते जी नमस्ते, गुथम गुथ्या, बिन बोले हम बोले, अंक कूद, नेता जी की खोज, आदि It was indeed wonderful time for these tiny-tots.



## Creative Activity

Yet another Saturday, 12<sup>th</sup> November was reserved for creative activity. Students of class 3-8 were trained to make beautiful collages from waste materials like old newspaper, old note books, variety of flowers etc. The centre coordinator Ms. Seema Verma trained the students to make beautiful collection.



## Children's Fair

On the Ocation of Children's day, class -4 and class -8 students of SASK arranged children's fair. They managed to put up shops of eatables like Pani-puri, Bhel, Samosa etc. Guardians were also invited to the fair. They all enjoyed the Mela.

Earlier, Children's get together to have a short assembly to remember Pandit Jawahar Lal Nehru, The first prime minister of India, on whose birthday. 14<sup>th</sup> November is celebrated as the Children's Day. The program was inaugurated by Mr. Guddu Kumar, President of Ambedkar Vichar Samiti by garlanding the photo of Pt Nehru Ms. Seema Verma delivered her speech on the life and work of Pt Nehru and his affinity towards children.



## Baal Akhbaar

Bal Akhbar is a flagship program of SASK. Every month the students bring out an edition of Bal Akhbar where they write variety of events, poems, drawing and all that . Sonam of class 8 was the editor for November edition. Shreya of class 6 wrote a poem and an article on children' day 14<sup>th</sup> November Pt. Jawahar lal Nehru. She also described the children's fair organized at SASK. Ankit of class 8 wrote an article on Mrs. Indira Gandhi on the ocation her birthday 19<sup>th</sup> November.

In the coloum "HAMARI KALAKARI" Aryan of class 6 made a beautiful drawing. Divya of class 3 made a beautiful collage of flowers and put it up in the column "HAMNE SEEKHA". Avantika of class -3 and Gungun of class -6 contributed under the columns "SUVICHAR" and "SAAMAANYA GYAN" respectively. Sonam of class -8 wrote an article of Indian Constitution on the occasion of constitution day 26<sup>th</sup> November.

Bal Akhbar is a very powerful activity to nurture som many skills and connect the children to the Nation.



## Barasirohi Evening Center(BEC)

Some 25-30 students from the village Barasirohi come to BEC after their schools. This session is for 1.5 to 2 hours where the center volunteers and some IITK students volunteers train students. While the teaching of core subjects keep going, special programs are organised on specific days. In the month of November the following two special programmes were held.

### **11th November:**

Talk on Maulana Abul Kalam Azad on the occasion of National Education Day. 11<sup>th</sup> November is the birthday of Moulana Saheb who was the first Education Minister of Independent India. His photo was shown to the children on mobile phone.

### **14th November:**

On the occasion of Children's Day, the centre volunteers Shree Pushpendra ji gave a talk, children recited poems and stories, class 3 students Aannma performed dance. Samosa and sweets were distributed to all present Sri Anup Ashtana ji is a very dedicated volunteers of BEC. He regularly visits BEC and teaches students. In November he gave special session of English words which have more then one meaning. He also told with example how the meaning of same word changes with context.

IITK student Divyanshi comes to BEC and teachers there. She is a Taekwondo expert and recently won silver medal at a state level competition. BEC students and volunteers congratulated Divyanshi didi.



## Sopan Ashram Evening Center (SAEC)

### **Atul Maheshwari Scholarship Exam**

On November 13, Atul Maheshwari Scholarship Examination was organized at DBS College in Kanpur Nagar. Students from the center also participated in this examination. This examination is conducted every year for the students of classes 9th to 12th of UP Board. From the center following students took part in this exam - Anuj Gautam, Vishal, Saurabh, Prachi, Tarana, Vaishnavi, Anjali, Anju, and Shiva Kashyap.

## **Baal Diwas Program**

On 14th November, on the auspicious occasion of Pandit Jawaharlal Nehru's birth anniversary, A program was organized to celebrate this occasion at Sopan Ashram. A small video was also made to give knowledge about Pt Jawahar Laal Nehru. Since this day is known as Children's Day so this video contained the following information why Children's Day is celebrated on this day and on which day Children's Day was celebrated before November 14. Along with this, when is Children's Day celebrated all over the world, about all these things.

Kuldeep Sir, who came from Finland, was also presented in the program. He gave a wonderful speech to the children. He told the children how to develop themselves, we should not be afraid of the results of any examination because any kind of result does not reflect our capability. IIT activist Ankita ji told the children to focus more on language. She said that language is very important in our life, so keep trying to improve your language

## **Weekly and Monthly Test**

From the end of October to the end of November, IIT volunteers took tests in all the classes for which mark sheets are being prepared; similarly, Dr. H C Verma sir also takes tests of children in a week as we know that Exam is the only way to get to know how the children are studying, whether they are understanding the subject or not.

## **Library**

Sushree Shashikala Sopan Library conduced sessions on a regular basis to tell about Sanskrit Scriptures and the lesions to learner for making our life more useful. Ms. Bapat ji and baby didi were leading these events.

## **Other Activity**

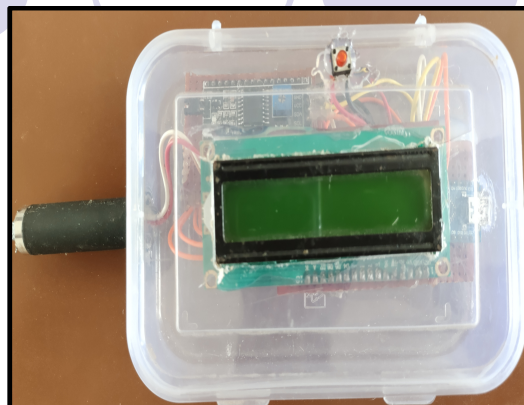
### **NAEST-2023:**

National Experimental Skill Test is an Annual program of National Anveshika Network of India in collaboration with Shiksha Sopan. Through several rounds, 36 students out of 54000 registered were selected for semi-finals and finals. This event took place at Sopan Ashram on 5<sup>th</sup> -7<sup>th</sup> November 2022. Out Science team designed exciting experiments for Semi-finals and finals, ensured smooth conduct of there experiments, and led the evaluation process. The participant students were greatly motivated and made decision to pursue pure sciences.



## Display of Frequency meter:

Shivansh, a class -9 student, learns electronics and robotics at Sopan Ashram. He is a self learner and using the facilities at Sopan Ashram designs new items. On our demand he made an apparatus to measure the frequency of rotation of a disk. His meter can accurately measure frequencies up to several kilohertz. It is a device packed in a small plastic box, which uses an arduino circuit, a digital display, a magnetic hall sensor and a magnet. His model is greatly appreciated by everyone who sees it.



## Felicitation of Shree Amit Kumar Bajpai

Shree Amit Ji is the secretary of Shiksha Sopan and the coordinator of DOSTI. Association for Research and Training in Basic Science Education honoured Shree Amit ji on 21<sup>st</sup> November at Nagpur in the Apoorva Science Fair organized by the association. This honour was conferred upon him for his ability to describe science using very simple materials in an exciting and enjoyable way. Shiksha Sopan congratulated him for this achievement.



अंधकार को क्यों धिक्कारें, अच्छा हैं एक दीप जलायें

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

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**Email Contacts** : [hcverma@iitk.ac.in](mailto:hcverma@iitk.ac.in), [samkhan@iitk.ac.in](mailto:samkhan@iitk.ac.in), [sopanbajpai@gmail.com](mailto:sopanbajpai@gmail.com)  
[sopaniitk02@gmail.com](mailto: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](#)