

Shiksha

Sanskar

Swavalamban



Shiksha Sopan

An Initiative of IIT Community for social upliftment

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Newsletter October 2024

Dear Readers

Namaste !

The Newsletter of October contained September activities of all the centres at a glance. A National level event organized at Sopan Ashram, A new activity conducted for especially B.Sc students, Pravah Baal Akhbaar, Celebration of Teachers Day, Evening learning centres, and Sopan library are running as usual. A summary of the activities is here for you.

SOpan ASHram Activities (SOASHA)

Joy of Physics and NAEST-2024

A Total 38 students were selected through a second experimental round of the National Anveshika Experimental Skill Test -2024 (NAEST). The semifinal, final, and Joy of Physics workshop was held from 13th September to 16th September at Sopan Ashram. A Total 37 students and their 35 guardians were come to join the mega event. The food, and accommodation arrangements were done at Sopan Ashram by Shiksha Sopan. Some male guardian's accommodation was arranged at one more place very close to the Ashram by Shiksha Sopan. The energetic inauguration was done on 14th September's morning by our beloved Dr. H. C. Verma, and Mrs. Smita Fangaria.

6 new experiments were designed by the team of the science cell of Shiksha Sopan. A big team was engaged to conduct this evaluation process. Mr. Mohit Singh, Mr. Banke Bihari Agarwal, Mr. Vikas Saxena, Mr. Manish Yadav, and Mr. Ameet Kumar especially came to conduct this event successfully, Shiksha Sopan thanked them a lot.



Students, guardians, resource persons everyone was very highly motivated with this event and appreciated a lot. They visited Sopan Ashram and its labs, and outdoor experiments.

They also get a chance to interact with Dr. Sandip Patil, in his swasa mask company "E-spin Pvt. Ltd." They saw his research labs, manufacturing units etc, and also asked many questions to him. Shiksha Sopan also conducted a Kavi Sammelan in the evening, which was coordinated by Mrs Shipra and Mr. Bharat Sumaya. A famous poet Mr. Jairam Jay Jee participated along with the Shiksha Sopan team. Dr. H. C. Verma also presented his poetries and everyone was shocked to see the sir in a new form. They clapped and enjoyed the evening.

In the last closing session, everyone was feeling as they were getting away from someone close to them. Their eyes were moist and there were smiles on his faces. Everyone thanked us for good behaviour, food, and accommodation and all the sessions were managed on time.

First Sunday Club(FSC)

First Sunday Club is a joint venture of SGM-IAPT Anveshika and Shiksha Sopan. As you read every month in the newsletter, science and mathematics teachers gathered at one place on the first Sunday of the month and discussed questions, and enjoyed Science experiments. Teachers motivated by the style of teaching of Dr. H. C. Verma, and



self-design new experiments of Shiksha Sopan. These experiments are very useful for the teachers, they will use these experiments during the classroom teaching.

In September, the FSC was held on 8th September in the evening. Mr. Nikhil came up with two new experiments that he designed for his classroom. He demonstrated both, experiments related to magnetism and mutual induction. Everyone appreciated his efforts. Mr. Amit Kumar Bajpai offered to other teachers to come up with some new experiments or ideas.

Questions were asked by Mr. Kuldip Singh, Mr. Praveen Patel, Mr. Mohit Singh, and Mr. Sharad. Dr. H. C. Verma sir offered to each and everyone to share their views on these questions after that Verma sir finally replied the answers. He also shared his experience of teaching with the teacher i.e. How to behave when a student's asked the questions? Verma sir said to listen to the students very carefully and first complete the whole thing so that you will get the correct question that is asked by the students.

JAM-NGPE preparation course at Kanpur University

A six-day course was conducted in the premises of Chhatrapati Shahu Ji Maharaj University, Kanpur from 19-25 September 2024. This course is specially designed for B.Sc. students. A total 67 B.Sc. students were enrolled for the course. These students were from PPN, VSSD, DBS, Christ-Church colleges, and also from Kanpur University.

This is specially designed to strengthen our B.Sc. students for the Joint Admission Test for Masters (JAM) and National Graduate Physics Examination (NGPE) which is conducted by the Indian Association of Physics Teachers. The course was started with Lighting the Lamp by Dr. H. C. Verma, Dr. Rajesh Dwivedi, Director, Basic Sciences Department, and Dr. Anju Yadav.

The main resource person of the course was Dr. H. C. Verma. He gave glimpses to solve the previous year's questions of JAM –NGPE. Students were happy and most probably a two or three-day course will be offered to these students in the new year by Shiksha Sopan. The closing session was conducted at Sopan Ashram. Students and their teachers visited the facilities at Sopan Ashram. During the feedback session, students gave thanks to Verma sir for his efforts. Students get participation certificates for the course from Verma sir, Rajesh sir, and Anju Mam. Shiksha Sopan team was happy to conduct the course and wants to do many courses like this in the near future.



Sopan Anaupacharik Shikshan Kendra (SASK)

Teachers' Day

On Teachers' Day, September 5, students presented cards and pens to their favorite teachers. They made cards for teachers in the SASK centre itself. Shreya, Kajal, and Aryan of class 8th played the role of teachers on September 5 and took a class for kids and taught them. They taught the student in the same way as their regular teachers teach.

On this day, the students told five qualities of their teachers, and the teachers were pleased to listen to it. Everyone enjoyed the day and thanks to Seema mam, coordinator, SASK for this special day.



Ganesh Chaturthi

On September 7th, Ganesh Chaturthi was celebrated at the Shiksha Sopan Anaupcharik Shikshan Kendra. The student and teachers of the teaching center together performed the puja. All the student offered flowers to Lord Ganesha.

On this day, Seema Verma shared stories about the mythology of Lord Ganesha and Kartikeya. At the end, all the student were given prasad, and afterward, they continued with their regular studies. On this day, all the student created beautiful pictures of Lord Ganesha, which were very attractive.



Hindi Diwas

On the occasion of Hindi Day, a week-long series of Hindi activities was organized at the Shiksha Sopan Anaupcharik Shikshan Kendra under the Hindi Fortnight. These activities were conducted for student from Class 1 to Class 8 to ensure that they have a proper understanding of the Hindi language and can take pride in it. During the Hindi Fortnight, each day, Durgesh from Class 7 explained to all the student what language is and the types of languages using a model prepared by Seema Verma. Shivam from Class 7 presented the types of nouns through a model. Shreya from Class 8 taught all the student antonyms using a turtle model. Similarly, Kajal explained singular and plural forms through a model.



A poster-making competition was also organized for student from Class 6 to Class 8, in which they created beautiful posters related to Hindi Day. Seema Verma informed all the student that Hindi Day is celebrated every year on September 14, and on this day, the Constituent Assembly of India adopted Hindi in the Devanagari script as the official language of India. The purpose of celebrating Hindi Day is to promote the importance of Hindi and to enhance the linguistic diversity of India.

Academic Activity

In September, various activities related to their subjects, along with revision work, will be organized for the student. Seema Morfan conducted the following activities for the student: In English activities, there were prepositions decoding activities, and in math activities, students from Class 3 to Class 5 were taught the concept of ascending and descending numbers, as well as predecessor and successor numbers through model-making.

The student were given related questions to solve. Seema Verma explained the topic of Indian numeration in a new and engaging way for the student, which was very interesting for them. For students in Class 7 and Class 8, the formulas for simultaneous equations were explained using models. Sunita Ji conducted a revision of Hindi, Sanskrit, and social studies.

Jaya introduced vowels and consonants to the student of Class 1 and Class 2 and narrated poems and stories with actions. The student also engaged in activities to identify numbers, names, and digits.



Baal Akhbaar

The September edition of the Baal Akhbaar was created by Sahil from Class 5 and Shiv Arya from Class 7. The best thoughts were published in the "Baal Akhbar," which was written by Vaishali from Class 6. Shreya from Class 8

reported on the Teacher's Day program held on September 5. In our festival column, Mansi from Class 7 presented the Ganesh Festival along with a beautiful picture. Rani from Class 4 presented a lovely poem dedicated to her beloved teacher. In our artistic section, Divyansh created a beautiful picture of Ganpati Bappa. To enhance knowledge, Durgesh from Class 7 provided information about general knowledge.



Sopan OutReach MAJlis (SOORMA)

An offline Majlis session was conducted on Sunday, 8th September, 2024. It was a three- and half-hour marathon session of teachers from 10:00 am to 1:30 pm.

Conducted by Ms. Smita Fangaria, the main theme of the session was to remove the common misconceptions revolving around the movement of Sun, moon and stars as seen from the earth. For better visualization, small models in the reference frame of the earth were created. Keeping the earth fixed, the orbit of the sun was shown to be inclined by 23.5 degrees with the equatorial plane of the earth. The model was used to explain Uttarayan, Dakshinayan of the Sun and why Sun changed its position every day at sunrise. And although popularly believed that the Sun is overhead at noon everywhere, it was explained why it could never be overhead in places like Noida which are not between the tropics. The maximum possible elevation of Sun in Noida was calculated. It was quite a revelation to the teachers.



Another model also showed the orbit of the moon inclined by around 28.5 degree from the equatorial plane of the earth. The concept of Rahu and Ketu and their role in eclipses was explained using the model. An interesting activity was also performed to show the phases of the moon. Yet another model was used to show how stars in the sky revolve around the polestar. All the teachers who attended the session enjoyed it very much.

An online Majlis session was conducted on Thursday, 26th September, 2024. It was a one and hour session of teachers from 5pm to 6:30pm.

Conducting by Dr H C Verma, it was really an out of box session. Dr Verma with the help of very small things like pen, bottle caps, fan in the room created intriguing questions on various concepts of physics. The teachers were led to think deeply. With a small activity of how we hold a pen, he delved into how the forces and torques were balanced on it. He had long discussion around it with the teachers.

Then he took up the case of another common occurrence in a room in which he asked about the reason of dust particles sticking to the fan. Again, the teachers pondered over it and came up with many reasons. They talked about electrostatic forces, centrifugal force, pressure differences etc. Dr. Verma listened to each teacher very carefully and patiently. And later he explained the correct physics of it.

All the teachers loved the big physics of small things in the session with Dr Verma.

Sopan Ashram Evening Center(SAEC)

Bio Class by Prakriti Azad ji

Bio classes are being conducted by Prakriti Azad ji for the students of class 9 and class 10 because, while the students study subjects like Math's and Science well, they do not pay enough attention to Biology, which is compulsory in these classes. Prakriti Azad ji has explained in detail the various types of viruses, bacteria, and amoeba. She has also informed the students that parasitic fungi cause diseases in plants and trees of economic importance, harming crops, and she has explained what these parasitic fungi are.



Doubt Class by Harshita ji

Special classes are also organized at the center, where efforts are made to solve the student's problems. In these sessions, student ask questions related to language, mathematics, and science, which are solved with great ease by IIT students. Recently, Harshita ji conducted a doubt-clearing session, answering many questions posed by the student.



Special Class by Smita fangaria ji

Ms. Smita Fangaria ji conducted a special class where she taught students fascinating facts about the sun, moon, and stars. She began by explaining the distance between the Earth and the Sun and how long it takes for sunlight to reach Earth. These complex concepts were made easy for the students to understand through practical demonstrations, which made the learning experience highly engaging. As a result, the students grasped the topics well and showed a deep interest in the subject.



Craft Class

Along with their regular classes, the student actively participate in weekly craft sessions. These sessions focus on making decorative models using waste materials. Future efforts will be aimed at improving these models, which will then be distributed to the valued well-wishers of Shiksha Sopan. The craft classes primarily focus on developing the student's skills. The student are now learning shading, proper coloring techniques, and how to create mandala art.



Sopan Library

Jai Janni Program

The *Jai Janani* event truly captures the essence of respect and gratitude towards mothers and sisters who have dedicated themselves selflessly for the success and well-being of their children. The celebration of their tireless efforts and the recognition of their struggles make this event a deeply emotional and inspiring experience.

Starting with the traditional *Tilak*, followed by *Guru Vandana* and the children's poetry recitations, must have set a very respectful tone, enhancing the beauty of the occasion. The presence of esteemed guests like Pragya Madam, Jai Shri Madam, Anjali Kulkarni and Amit Kumar Bajpai Ji likely brought even more meaning to the event, making it a day to remember for everyone involved.



Honoring the remarkable contributions of these women not only highlights their personal sacrifices but also emphasizes the values they instill in their children, which play a crucial role in shaping their future success. This powerful tribute to the family and values sets a wonderful example for the community.

Other Activities

- ❖ This month, children made big envelopes using newspaper which are used to give sweets to people in the programs of library.
- ❖ On the occasion of Ganesh Chaturthi, we described the various forms of Lord Ganesha.
- ❖ Story telling, making craft and many other activities are held regularly.

Barasirohi Evening Center

Teachers Day

It's wonderful that Teachers' Day was at BEC and Pushpendra Ji's message to the children highlights a beautiful sentiment — that learning is a two-way process.

Just as children learn from their teachers, teachers also gain valuable lessons and insights from their students. This mutual exchange of knowledge and growth strengthens the bond between teachers and students, fostering an environment of respect, curiosity, and continuous learning.



Hindi Diwas

Hindi Diwas was celebrated with great enthusiasm at the centre on 14th September, emphasizing the importance of Hindi language and its pivotal role in promoting Hindi literature. Children participated actively by reciting beautiful poems and sharing thought-provoking insights in Hindi, which gave the celebration a creative and reflective dimension.



Kendra Head Kshama Ji enriched the event by sharing detailed information about famous Hindi litterateurs like Surdas, Tulsidas and Kabir Das, along with their significant contributions. These writers have a special place in the history of Hindi literature

Test

In September, a test was taken for the students of BEC in which questions related to their subjects were asked. Some students performed very well. Ms. Kshama, gifted pencils to the students and encouraged them.

अंधकार को क्यों धिक्कारें, अच्छा हैं एक दीप जलायें

Web site : For more details please visit www.shiksha-sopan.org

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