

Shiksha

Sanskar

Swavalamban

Shiksha Sopan

An Initiative of IIT Community for social upliftment

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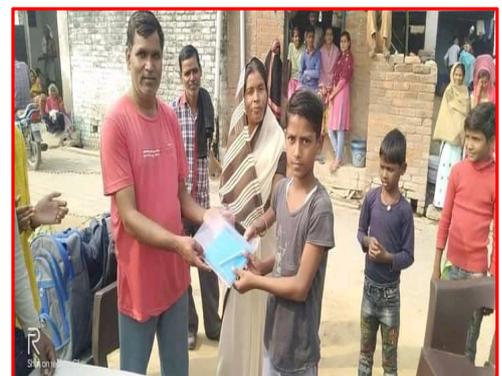
Dear Readers, Greeting from the Shiksha Sopan family. Shiksha Sopan wishes you a very Happy New Year. We hope this year will fulfill all your wishes and make safe your loving ones from this pandemic. As you know, Shiksha Sopan is always focused towards the development the education environment in the society and for that we are doing regular programs. In December month, several activities were planned and performed. We would like to share our experiences and work details with you.

Central programs

Science Tables At Public Places and Learning Experiences (STAPPLE)

A wonderful step has been taken to spread awareness among the public and develop a scientific attitude. This whole project is sponsored by Mr. Ajay Lohia, Threads India Pvt Ltd, Kanpur. On 5th December, 2021, Shiksha Sopan children in supervision of Mr. Vinay Kumar Mishra, a dedicated volunteer of Shiksha Sopan, organized a STAPPLE programe in a village called Para Pratappur. This village is 6Km from Sopan Ashram. The team members reached at the village around 11AM using their cycle riding of one hour. One of the guardian Shri Dinesh Kumar Jee coordinated the programe with Vinay ji. He arranged local facilities like neat and clean venue, tables and chairs, mat for the audience and informed the villagers about this programe. In this way we enhanced our relations with villagers.

Mr. Vinay started the programe with a song. Student of Sopan demonstrated eye caching science experiments. Audience were excited to see the wonderful magic-like experiments. Brief explanations were also given by the children. Everyone expressed their happiness by clapping. They were amazed to see the performance of younger children of Sopan. They wished for their bright future. Sopan children organized a quiz and asked very common questions related to Science. Vinay Ji gifted the stationary items whoever gave the correct answer of the question.



First Sunday Club (FSC) at Sopan Ashram

FSC is a very rich and most popular monthly programme, specially for Physics teachers at Sopan Ashram. This programme is jointly SGM-IAPT ANVESHKA and Shiksha Sopan. On 5th December 2021, First Sunday of the month, around 25 teachers came to Sopan Ashram to enjoy the Physics with great personality of Physics Dr. H. C. Verma. The session started at 10AM. This is a platform where teachers enrich themselves through discussions, remove their misconceptions of Physics, learn teaching skills, to learn human values. Learning from natural environment gives additional positivity at Sopan Ashram. Every visitors felt this positivity and expressed their views with us.

This month mostly Q-A session happened. Dr. Anita Singh asked a question related to moment of inertia and Verma sir replied and cleared the doubts. Mr. Ramendra Kushwaha from Auraiya started discussion on gas lighter which we use in our kitchen. Pressure difference, piezoelectric effect, spark due to ionization of air were discussed. We also showed to glow of red LED using this small and handy gas lighter.



Teacher's workshop at Bhopal

After a long time teachers workshop was conducted Physically at Bhopal. Mrs. Jaishree Kanwar, Director, Sagar Public School (SPS), invited Dr. H. C. Verma and his team. Mr. Amit K Bajpai, Mr. Ranjit Kumar and Mr. Vipin Sharma went to Bhopal to conduct the workshop specially for SPS teachers. The dates were 6th to 8th December, 2021. On 6th December the workshop was conducted for Science teachers teaching std 6th to 8th. Verma sir and his team gave wonderful sessions on force and pressure. In one of the session teachers asked their doubts and Verma sir cleared them. Next day the workshop was done for PGT Physics. Around 35 teachers participated. In the session we introduced magnets, electricity and electromagnetism to them. Verma Sir demonstrated and discussed Physics deeply with them. He also taught teaching skills during the workshop. Teachers and the management of the SPS were very happy to attend the session.



On 8th December two hundred students from the four branches of SPS were invited to interact with Verma Sir. They offered a warm welcome to Verma Sir by standing ovation. Their faces were shining and smiling to see Verma Sir in the auditorium of SPS. Verma Sir motivated these students by sharing his own life story. On the same day Verma Sir interacted with teachers from different schools/colleges of Bhopal at Regional Science Center, Bhopal. The search and research group and the science center organized this interactive session of Verma sir. Physically about hundred teachers were invited due to covid precautions in the hall. The session was also broadcast online for the whole Nation.

Well wishers visit at Sopan Ashram

Whenever any well wisher or visitor comes to Sopan Ashram, the energy level of the volunteers shoots up and they make the moment memorable for both sides. In this month two of our well wishers visited Sopan Ashram. The brief details are given

Visit by Mr. Kamlesh and Reeta Dwivedi

Alumni of IIT Kanpur, resident of USA and well know personality Mr. Kamlesh Dwivedi and his wife Mrs. Reeta Dwivedi with his friend visited Sopan Ashram on 24th December 2021. They spent around 3 hours with us. Last time Dr Dwivedi visited this place in December 2019. Mr. and Mrs Dwivedi took a short visit of labs, outdoor experiments, and farming. Both of them eaten fresh Gooseberry picked from tree. Sopan team and Verma Sir interacted a lot with them, Dr. Dwivedi recalled the student life at IITK hostels with Verma Sir. They were amazed to see the fast development at Sopan Ashram. They were very happy and gave good wishes for grand future of Sopan Ashram.



Visit by Dr. Chandra Shekhar Sharma

Dr. C. S. Sharma, IIT Hyderabad and Alumni of IIT Kanpur is closely associated with Shiksha Sopan from so many years. He was also in executive committee of Shiksha Sopan during his IITK time. He is very famous in internationally for the research on sanitizations using organic materials. He visited Sopan Ashram on 25th December 2021 with his friend Mr. Sandi Patil, also IITK aluminous and running his business. Mr. Patil is also a well known personality. He has developed nanotube technology and used it to make swasa mask in his company E-Spin Pvt. Ltd. Sopan volunteers welcomed our well wishers at Sopan Ashram.

The whole team of Shiksha sopan was invited to meet Dr. Sharma. Dr. H. C. Verma, Dr. Sameer Khandekar, Mr. Ranjan Updhyay and other senior came to Sopan Ashram and we had a good time recalling the past. Mr. Amit K Bajpai told about new initiatives taken by Shiksha Sopan in this year. Dr. Sharma updated about his work. He also gifted his first book on nano-science involved in some natural phenomenon, to Dr. Verma and Dr. Khandekar. The whole atmosphere was full of happiness. After the discussion, lunch was arranged. Every one enjoyed the flavour of **litthi Chokha with Chatni** and thanked Dr. Sharma for this special visit. We captured a group photo to keep this memorable moment for long time and share with others.



The new initiative SOpan OutReach MAjlis

SOORMA was described in previous Newsletter. The SOORMA sessions were conducted in the month of December. The highlights of the sessions are given below

- ❖ The first session was conducted online Ms. Neeraj Taneja as a main resource person on 11th December. She demonstrated the applications of "Phyphox", a mobile app. She hit a ball on the ground and detected the sound of every collision between the ball and the ground using the app. This data were used resulted in a discussion on factors affecting the coefficient of restitution e . The demonstrations using another app "accelerometer" were also discussed in the session. The session was attended by 11 teachers and it went on for an hour.
- ❖ The second SOORMA session was conducted on 26th December 2021. This session was conducted by Mr. K .K Mishra and Ms. Smita Fangaria in which a group of 9 teachers gathered on that day for an offline session based on electric fields. It involved discussions on some misconceptions, demonstrations and hands on activities.

There were some **demonstrations shown on photoelectric effect** by using a handmade electroscope. The process of charging by induction was discussed in depth. The ejection of electron was shown by using an ultraviolet light source. This session was also important because it was one of the closing programme of celebrations of the centenary year of Einstein winning the Nobel Prize in 1921 for photoelectric effect.



Common events conducted at Shiksha Sopan Centers

Mathematics day

As we know mathematics is not only a subject for study but has wide use and application in our daily life. Still many people have fear of this subject. The Mathematics Day is celebrated every year on 22nd of December at the occasion of Shree Ramanujan Birthday. He was great mathematician with a very deep insight. He had no research training at any institution but still came up with hundreds of research result which Mathematics Day at SASK.

SASK celebrated this day with full of enthusiasm. On this day Seema Ji told the life story of Shreenivas Ramanujan. So coordinator of SASK Ms. Seema Verma conducted Mathematics Challenge Competition and Number game to increase the interest of students in mathematics.

The winner's list is as follow –

1st- Shiva Kushwaha (Class 3rd), 2nd – Aryan (Class 5th), 3rd- Shiva (Class 4th)

On this day, a Mathematics fair was conducted in which various mathematics models were displayed. Seema ji herself makes models for teaching mathematics at primary level. These were also part of the display. Students enjoyed and learn a lot by seeing those models.



❖ Sopan library celebrated the Birthday of one of our famous mathematicians Shree Niwas Ramanujan and remembered his contribution in the field of Mathematics.

Mathematics Day at Barasirohi Center

After the resuming of offline classes at the center all the students and volunteers celebrated Mathematics day on 22nd December this was an occasion for a celebration. On this day BEC conducted many activities related to mathematics like a number game, math puzzles, missing numbers, etc.

Celebration of 25th December by BEC

As we all know 25th December is known as the birthday of former prime minister Shree Atal Bihari Vajpayee and this day is also known as Christmas Day. BEC celebrated this day with full of enthusiasm and remembered Shri Vajpayee by wreathing flowers on his photo. BEC also conducted many activities on this occasion.

Celebration of 25th Dec by SAEC

On the Occasion of Birthday of our Former and late Prime Minister Shree Atal Bihari Bajpai, SAEC conducted a tree plantation program. This program was conducted under the supervision of Assistant caretaker cum farmer of Sopan Ashram Mr. Vasudev. Along with the plantation, all the students took the pledge and promised to take care of the planted trees themselves.



Sopan Anaupacharik Shikshan Kendra (SASK)

Baal Sabha

SASK always try to develop interpersonal skills in the children so that they can groom themselves. SASK conducts Baal Sabha every Saturday all the students. On 4th December this Sabha was organized which was conducted by Sonam of class 7th. In this Sabha, children are free to express their views on any topic like, narration of story, recite poetry, societal problems, etc. This type of program helps the children to learn how they can present themselves in front of others. This sabha also give a platform to them to gives a presentation on various topics prepared by them.



Half-yearly Exam

This exam was delayed due to the Covid. Finally this was conducted from 8th to 15th of December. In view of covid protocalls, it was conducted in two phases in which 1st phase was conducted from 9:30 Am to 11:30 Am for the classes from 1st to 5th . Second phase was conducted from 11:30 Am to 1:30 Pm for the classes 6th to 8th . The exam papers included questions related to the atmosphere around us and logical questions which helped them to brush up their brain. This exam was conducted under the supervision of Ms. Seema Verma, Ms. Sunita Maurya, and Ms. Ruby.



Barasirohi Evening center(BEC)

Resuming of offline classes

Due to the Covid outbreak, BEC was running in online mode but as the condition became normal from last one month BEC shifted to offline mode from 10th December. These classes were running with all Covid protocols. Before starting the classes all the students and volunteers worshiped Maa Saraswati and prayed to her for the well-being of everyone and keep them safe from this pandemic.

Sopan Ashram Evening center (SAEC)

Farewell of Sanatan Mishra

In the month of December, SAEC gave a farewell to one of our dedicated volunteers Sanatan Mishra. Sanatan came to stay at Sopan Ashram two months ago for his study. During this time Sanatan came in touch with SAEC students of class 9th and 10th. He taught them math and science. SAEC gave him with recalling the sweet memory with him farewell full of memory and gifted him a Sopan Memento.



Academic Activities

In December, classes were running as usual. Classes from 6th to 10th was running online due to Covid but class 11th was running offline.

Games & Sanskarshala

Shiksha Sopan believes that Playing for children is also as important as studying. So SAEC decided to reserve every Saturday for the games and Sanskarshala. Sanskarshala class was taken by Mr. Ram Prasad Bajpai(Senior Volunteer and caretaker of Sopan Ashram) in which he told them how we should behave respectfully with others and also taught them about Sanskar. This class was half an hour after the games.



Sanskrit Session

As we know that Sanskrit is not only a subject, it is the career of Indian traditions, Philosophies, Science, Technology and so on, for thousands of years. But at present this language has lost its glory, we all have forgotten this. So to restore its importance Sopan Ashram conducted a 10 day Sanskrit course for children.



These sessions were given by the Sanskrit teacher of Opportunity School Mrs. Sandhya Mishra. This session was included many topics related to the subject. The children were able to understand and speak small sentences and talk in Sanskrit at the end of the course.

Distribution of Geeta Book

On the occasion of Geeta Jayanti, copies of Bhagwat Geeta were distributed to the children of SAEC This book will help them to understand how to behave with others and help others. They can also get to know the goals of life and how to live a useful life. The distributions of Bhagwat Geeta was done by Shree Prakash Jha who is Sangathan Mantri of Sanskrit Bharti Organization.

Sopan Library

In December, Library coordinator Mrs. Pushpa Tripathi conducted various activities which included to enhance the knowledge and learning of the library members. Activities are given below.

- ❖ Celebrated the Birthday of our first president and Bharat Ratna Dr. Rajendra Prasad. Pushpa Ji told the library members about his life. She also told about his role in making India a good democratic country.
- ❖ In December, there was a huge loss for our country because our CDS General Bipin Rawat along with his wife and 13 army personnels died in a helicopter crash. Pushpa Ji along with members gave tribute to them.
- ❖ Celebrated the Vijay Diwas on 16th December in which they remembered the work done by our army during the war of 1971. In that war, our Indian army won the battle and compelled the Pakistan army to kneel down.

अंधकार को क्यों धिक्कारें, अच्छा है 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**. All donations are Tax free (up to 50%) under section 80/G.

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