

Shiksha

Sanskar

Swavalamban

Shiksha Sopan

An Initiative of IIT Community for social upliftment

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

Newsletter August 2021



Dear Readers, Greeting from the Shiksha Sopan family. Covid situation has significantly improved in UP and especially in Kanpur. We gradually opened up some of our physical activity programs in the month of July. We still maintain the Covid protocols, wearing mask when outdoor, maintaining distance from others, washing hands frequently etc. We request every to do the same and remain alert so that the so called third wave is not allowed to enter at all. As long as the whole Nation is Covid-free, we must maintain restraints.

Central programs

Science Tables At Public Places and Learning Experiences

This program is running with the help of Threads India Limited and coordinated by Mr. Vinay Kumar Mishra, a very active member of Shiksha Sopan. This program is also a part of DOSTI and running under the supervision of Dr. H. C. Verma. The aim of running this program is to give basic knowledge about science to people from all walks of life, by doing simple experiments at their doorsteps. In July, two consecutive STAPPLE programs were done at Chak-Ratanpur and Mohanpur villages. The details of the events are given below.

Session at Chak-Ratanpur Village

Chak-Ratanpur is a village very near to Sopan Ashram, about a kilometer away. STAPPLE was conducted in the village at an open place. Looking at the venue, we invited about 40 villagers to There were near about 40 people attend the session with proper Covid protocol. Several experiments were performed by selected students and volunteers of Shiksha Sopan. The session was started by one of our dedicated student Mr. Nikhil who is currently studying in class 11th. He showed very interesting experiments by the use of Sodium Polyacrylate, a chemical substance. In this experiment, he mixed this chemical substance into the water in a glass and after a couple of minutes, the water seemed to disappear from the glass as it was converted into solid-like small crystals due to absorption by the chemical used. Everyone was very surprised to see this and became curious to know the reason behind it. Nikhil explained the science of this experiment very well.

Another active student, Tarana took forward the session by showing the experiment with the help of a Ball and a thread. The name given to this attractive demonstration is "Obedient Ball". This experiment was designed using the behavior of a thread under tension. The thread was going through the ball and was kept vertically by holding at the two ends. Tarana would order the ball to move or stop and the ball would behave accordingly. This experiment also became an attractive spot for the session. Tarana explained the design inside the ball and how she played with selective tightening of the thread and control the motion of the ball.

Continuing the session, Karan Singh, Anuj Gautam, and Vinay Mishra showed many experiments and discussed the science behind the experiments. After the session got over, every attendee gave their valuable feedback and showing their interest to join Sopan Ashram and its activities to learn more.



Session at Mohanpur Village

The second session of STAPPLE was held at Mohanpur village, where about 45 people were present. This session was arranged by Swami Vivekanand Vidyalaya, Lodhar. School teachers contacted people for this event and got them collected at an appropriate place in the village. It started with a brief description of the DOSTI and STAPPLE program, presented by Mr. Vinay Kumar Mishra. This session contained many experiments and knowledge of science-related topics like frictional force, pressure, chemical substance, etc. Every spectator in the audience enjoyed the session and learned lots of science with the help of materials of daily use. The session was very useful academically and also socially. This was so because we have arranged charpais, mats, etc. from some houses of the village itself and these locals also developed a sense of belonging in conducting the session.



Sopan Anaupacharik Shikshan Kendra (SASK)

Vocational Education

The three main keywords of Shiksha Sopan are - Shiksha, Sanskar, and Swawlamban. SASK has always given due importance to all three and some kind of vocational training is part of Swavalamban Program. SASK follows these ideologies with full spirit. In July month, one of our dedicated volunteers Ms. Sunita Maurya gave vocational training to the SASK children. In this training, she trained the children in Mehndi, Art, and Craft in the campus of SASK.



Awareness on World Population Day

Shiksha Sopan is not only focusing on the customary education but also has a focus on social issues to make our students responsible citizens. We know that population is also one of the burning issues of the whole world. On 11th July of every year, the whole world celebrates world population day to aware the people about the issue arising due to increase in population. In the same spirit, SASK conducted an E-Samvad with the children where they were asked to put their views on problems arising due to increasing population. These children were also encouraged by the volunteers for spreading awareness at their nearby places and to tell the benefits of having a small family.



Pravah Baal Akhbaar

July Edition of Pravah Baal Akhbaar was prepared by Shreya of class 5th, Shraddha of class 6th, and Sonam of Class 7th. The content for this Akhbaar was given by Lalit of class 7th, who gave the information about our fundamental rights, Palak of class 4th gave information about our religious places with pictures. Shraddha of class 6th wrote an article "Kalam Ko Salam" on the occasion of the death anniversary of Dr. A P J Abdul Kalam and, there were many more contents given by other students.



Mathematics Working Model

Under this activity in July month, Ms. Seema Verma prepared a Math working model. This model was based on math's formula. With the help of this model, children can learn about shapes and their formulas. As the sliding paper is moved, different shapes and the corresponding formulae appear on the screen. The animation effect makes children attracted towards the formulae.



Barasirohi Evening Center(BEC)

Academic Activity

In July month, BEC regulated the classes offline as well as online as per student's convenience. Students protection is the topmost priority of Shiksha Sopan, so very few were called for offline classes with proper social distancing. These classes were conducted by the volunteers, Ms. Geeta, Ms. Kshama, and Mr. Pushendra. The classes of English grammar, Hindi grammar and logical reasoning were given by Geeta Ji. Kshama Ji gave the classes on current affairs.

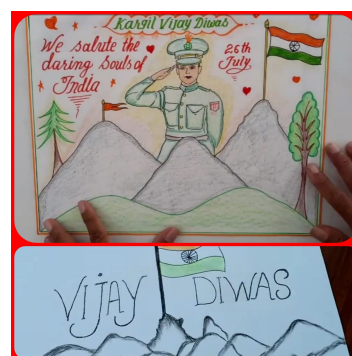
Doctors day celebration

Since Covid-19 started in our country, our doctors are playing a very important role to pull all of us out of this pandemic situation. Doctors and all front-line workers worked hard to overcome this situation, and they still are doing this even by their lives in dangers. Shiksha Sopan greatly acknowledges and appreciates the great work done by them.

1st July of every year, the whole world celebrates Doctor's day. So to pay our grates to the doctors, BEC celebrated this day with full of dedication. On that day, Ms. Geeta told all the students that how our doctors sacrifice their personal life for saving other people's lives and also gave tribute to those doctors who lost their lives.

Vijay Kargil Diwas Celebration

On 26th July, BEC celebrated Vijay Kargil Divas. Our defense people are playing a very big role in securing our country's border from the enemy. We can easily sleep just because they are standing at the border. As we know, on 26th July 1999, our army won the battle of Kargil from Pakistan. In this battle, we lost many of our army men, and to give tribute to them our country celebrates Vijay Kargil Divas every year. BEC celebrated this by giving tribute to them and told the story of the Kargil war to the children. Children made very attractive sketches on this occasion.



Sopan Ashram Evening Center (SAEC)

SAEC was running normally in the month of July. Classes were running online due to Covid's impact. July month came with achievements for SAEC. Anant Sharma, one of our students of SAEC got shortlisted for the **National Aptitude Test in Architecture (NATA)** exam.

Result of classes, 10th and 12th are announced in which many of our SAEC students secured good marks. Details are given below.

Class-10		Class - 12	
Hari Om	86%	Anant	93%
Nikhil	82%	Shreya	91%
Shivani	81%	Divya	83%
Karan	76%	Arpit	81%
Kritika	76%	Nishtha	80%
Alka	74%	Aryan	79%
Sunaina	68%	Neha	78%
		Vivek	70%

Sopan Library

The library was running as usual in July month. Mrs. Pushpa Tripathi, Coordinator, reopened the Library with proper safety. Members came physically to read the books, they were very happy to interact with the coordinator and other members after a long time.

In the previous month, two students who are associated with the library, got one step of their success. One of the students Mr. Nikhil Tiwari, who is pursuing Engineering from Railways Institute got an 8.9 SGPA in his first year. Other than that the second student Mr. Nikhil got admission to Azeem Prem ji University for pursuing B.Sc, B.Ed. Course.

Community Computer Instruction Lab (COCILA)

- An ongoing course is running on mathematics for std 10 of its Sopan Ashram Evening Centre students using COCILA. Students had studied the video lectures based on "Linear equation in two variables" and "Quadratic equations" on our computer systems. They also solved problems, multiple choice questions in the sessions held for problems solving practice under the guidance of the project in charge Mr Vimal Kumar.
- On 31, July 2021, Mr. Sumit Kumar (M.Tech IIT Kanpur) gave the workshop on "Play with Graphs". Students got the hands-on basics of Graph and Graph Paper, plotting the points, coordinates, lines etc. on a graph paper.
- Under the banner of COCILA, Shiksha Sopan took advantages provided by GOOGLE for Non-profit Organisations to avail the services of Google Workspace (Gmail, Drive, Meet, and Docs).

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*