

Shiksha

Sanskar

Swavalamban

Shiksha Sopan



An Initiative of IIT Community for social upliftment

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

Newsletter December 2019

November month was very special for the Shiksha Sopan. Our students from SASK participated in NCSC and qualified for Nodal level, All the centers took part in a wall painting competition, Science team made a portable version of Computer-based Science experiments, originally developed at IUAC Delhi. In addition the regular activities went on at the centers.

Wall Painting Competition under DOSTI

Shiksha Sopan Core group always looks for innovative ideas. The coordinator of DOSTI (Development Of Science Tourism Initiative), Mr Amit Kumar Bajpai came up with a great idea that the halls of Sopan Ashram themselves should be science tourism resources. He then designed a wall painting competition for different units of Shiksha Sopan. The interior walls of 4 Halls at Sopan Ashram were to be painted with one scientific theme for each Hall. The task was given to four centres namely, Sopan Ashram Evening Canter, Barasirohi Evening Canter, Sopan Library, and Sopan Anaupcharik Shikshan Kendra.

Several rounds of meetings were organized between the core group led by Dr H C Verma and the participating teams to select a theme for the respective Halls. As the team members did not have any experience with wall painting, a mini workshop of all the participants was arranged with a renowned local artist painter Mr Rajkumar Bhadauriya. The actual painting was done between 10th to 14th November. Magically, they finally came out with excellent artistic work and also depicted the science theme beautifully.

Team-1 Sopan Ashram Evening Center (SAEC)

SAEC team decided to paint their hall on the theme "Mariana Trench". This is the deepest ocean part in the world. The maximum depth of the pit is 11,033 meters below the sea level. SAEC team also showed the creatures living here on the walls. Along with this, a map was also made on the wall, showing the location of Mariana Trench.

Members-Coordinator-Anupama Sharma, Sumit ji(IIT Student), Manali ji, Avni, Anant, Harshit ,Ashish, Neha , Nandani, Tarana.



Team-2 Sopan Anaupcharik Shikshan Kendra (SASK)

SASK team decided to paint the walls of its hall on the theme "ISRO". In this painting, children and volunteers of SASK showed how the launch vehicle works, It displays the information of launch vehicle like SLV, ASLV, PSLV, GSLV-1, GSLV-2, GSLV-3, GSLV-4 etc.



It also shows how satellites revolve around the earth in the orbits. On another wall, the team showed ISRO's major achievements and told about Mars Mission and Chandrayan Mission I-II.

Members-Coordinator-Seema Ji, Sunita ji, Shirish(IIT Student), Krutarth(IIT Student), Akhilesh(IIT Student), Anahita , Kashish, Surjeet, Lakshmi.

Team-3 Sopan Library

Sopan Library painted the walls of its hall on Pollution theme. As we know pollution is the major issue in the present scenario. Sopan Library tried to show different kinds of pollution including noise pollution and the problems created by pollution. As air pollution affects human heart and lungs they also had a small painting of human lungs and respiratory system.

Members-Coordinator-Pushpa Tripathi, Shipra Ji, Manmohan Pal ji, Archana, Preeti, Alka, Priyanshu, Saurabh.



Team-4 Barasirohi Evening Center (BEC)

Barasirohi centre decided to show the Sources of Light through wall painting. Starting from the natural source "The Sun", they showed the history of light sources from rubbing stones to modern lasers and LED bulbs. They showed the importance of light in our life. They also showed how light energy is converted into electrical energy.

Members-Coordinator-Geeta ji, Kshama Ji, Jyoti, Saurabh, Ashna, Vishu, Ashwani, Ayush , Abhishek.



Celebration and Prize distribution

The evaluation was done by a team of two experts, Mr Rajkumr Bhadauriya, a renowned artist and Dr Anita Singh, a Physics Teacher from Kanpur Vidya Mandir. Each team made a presentation before the expert panel describing the theme behind the painting. Judgement was based on the science content and the artistic perfection.

A function was organized on 14th November to celebrate the grand Painting Festival by Shiksha Sopan Teams. Each team told the audience about their journey from choosing the theme to execution. As many of them were new to big painting it was a struggle for everyone to do the painting at height standing on a stair. Both the experts and Sopan senior workers congratulated teams for the wonderful long time resource that they have created.

Sopan Anaupcharik Shikshan Kendra (SASK)

SASK had several programs in this month of November. Students of SASK got chance to participate in NCSC competition, SASK team took part in wall painting competition and celebrated Bal Divas.

National Children Science Congress (NCSC)

As we wrote in the previous month newsletter, students of SASK were doing projects for taking part in NCSC competition. On 7th Nov students of SASK went to Rajikiya Balika Inter College to demonstrate their projects in front of the Judges.

Shirish ji and Krutarth ji (IITK Volunteer) mentored these students for the competition. There were three groups who made the projects on the themes **Effect of Junk Food on Human Health, Climate change on Human eco System and Yoga & Health**. They went on in their localities from house to house, interviewed the family members and recorded the data. The whole data were analyzed and the conclusions were made.



On the basis of their performance all three groups were selected at the Nodal Level and they all got appreciation certificates from NCSC on 19th Nov.

Children Day Celebration

Children's Day was celebrated on 15th November at Sopan Anaupacharik Shikshan Kendra. Seema Ji told about Nehru ji to children. On Children's Day, children recited poems and sang songs. Games are the most favourite for children. The center arranged a special game event as part of Children's day celebrations. Children from Std 1 to 4 played games like Carom, Ludo and musical chair while those from class 5 to 8 played Kabaddi, Kho-Kho etc.

Barasirohi Evening Center (BEC)

At BEC about 80-90 students from the locality come for after-school help. Together with teaching by our volunteers several other programs are held to develop the children as responsible assets of the Nation. Some of these, held in November, are given below.

Visit by Ms Kalyani Gupta

Sports are not only for entertainment but also for health, personality development and learning to work in a team. BEC invited Miss Kalyani Gupta, a BPEd student, to the center to motivate our children for sports. She visited the evening center On 2nd Nov and talked to the children about the importance of games/sports in our life. She gave tips to children on how should we play in correct manner. She guided them is playing Kho-kho, Kabddi, badminton etc with right manners.



Blackboard Gift by I.I.T. Students

Miss Deepti and Mr. Rahul pursuing Ph.D. & M.Tech from IIT Kanpur respectively, have been closely associated with Barasirohi Evening center. As the number of students coming to the evening center is large and they study in several groups, need of a blackboard was being felt. Deepti Ji and Rahul Ji visited BEC on 6th November and presented a Black Board, Chalk box and a Duster as a gift to the center. Center coordinator Miss Geeta ji thanked them for their gesture.



Children day

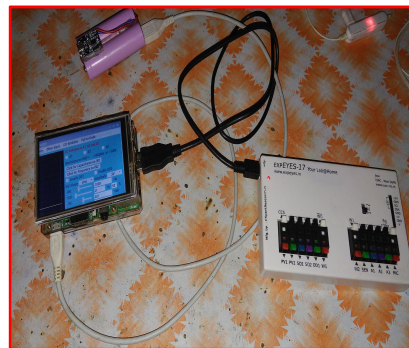
Due to holiday on 14th Nov, Children day was celebrated on 15th Nov. Rahul ji of IITK participated in the function and distributed sweets and pens to the children. They also talked about the life of Pt Nehru and how the concept of Children's day or Bal Divas came into being. He also showed a documentary film which was based on "History of Mathematics". This was very informative and children got a new perspective of looking at the numbers and mathematics.

Others Activities

On 20th Nov Ph.D. students Abhishek ji and Kshsulora ji (Orissa) visited the center and distributed clothes to the needy children. On 26th Nov IITK Student Rahul ji (M.Tech.) taught about Constitution on the occasion of Constitution Day.

Science Cell

Inter University Accelerator Center Delhi has developed an interface called ExpEyes which connects the real Physics experiments to a laptop. We had been using this for our science workshops. The requirement of windows based laptops is a kind of limitation if the number of participants are large. Sopan Science Cell made a Raspberry Pi 3 device which is also known as mini computer or Pocket computer, which can be operated with 5-V DC supply. ExpEyes could be successfully uploaded on this and now we can put up large number of these experiments at a much reduced cost in our workshops.



The main architect of this project is our Science Cell Volunteer Mr. Vijay Kushwaha duly assisted by Mr. Abhishek Tiwari.

Sopan Ashram Evening Center

That activities of SAEC are described in a separate write up SAMVAD prepared by the children themselves. This file is also attached with this newsletter.

अंधकार को क्यों धिक्कारे, अच्छा हैं एक दीप जलायें

Other Information's

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

How to donate: *Shiksha Sopan*

(a) You can pay through credit/debit card by going to www.godparents.in, clicking "support a child" from the left top panel, selecting Shiksha Sopan from the "caretaking NGO" list at the bottom left of the page and then selecting a child from the list. Click on "Be my Godparent" below the photograph.

(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, IIT Kanpur 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*