

Shiksha

Sanskar

Swavalamban

# Shiksha Sopan

An Initiative of IIT Community for social upliftment

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

Newsletter May 2021



Greetings from the Shiksha Sopan family. We hope that you and your family are safe from the second wave of Covid 19. The previous year was very tough for the whole world, we suffered a lot and as we are seeing that this year is very tough for all of us as well. At present time we all are passing from a very critical situation. Covid cases rising rapidly and due to this many people lost their loved ones. But we are very sure that we will come out of this situation very soon. Shiksha Sopan requests to our well-wishers and readers to be safe from this pandemic and try to stay at home until it is not very necessary to go out. Due to the second wave, our centers were closed and it gave us time to think of newer ways to strengthen the society.

## Development Of Science Tourism Initiative (DOSTI)

In the month of April, DOSTI project organized a four days "Aviation Workshop" at Sopan Ashram. Almost everyone has questions in their mind like how flight takes off, how it is landed, what is their functions, and what are their components. So to give an answer to these questions, this workshop was conducted with proper safety measures of Covid.

### Four days Aviation Workshop

On April 2nd to 5th, an Aviation Workshop was successfully conducted at Sopan Ashram. This workshop was organized by Avaikul Private Limited and Society for Space Education Research and Development(SSERD). Mr. Vaibav Varun, Director AVAIKUL and also deeply associated with Shiksha Sopan, coordinated the workshop with us and other resource persons. Because of him only we could manage the workshop so fruitfully.



The aim of conducting this workshop was to give knowledge to the participants about the structure of aviation and its functions and introduce the children about this exciting career opportunity. The number of participants was restricted to 20 due to Covid. They all participated with full dedication and enthusiasm. These participants were selected from our own locality. Many were from our Sopan Ashram Evening Center. This workshop was for four days, and three hours per day from 2PM to 5PM.

**DAY-1** : Mr. Amit K Bajpai and Mr. Vaibhav Varun lighted the lamp to inaugurate the workshop on 2<sup>nd</sup> April. On the first day, the resource persons talked about the theme of the workshop and the history of aviation. Starting from very early attempts to Right brothers, they described various attempts, why they failed and finally how it succeeded. They showed many old videos showing this heroic efforts to fly in the early days.

**Day 2 :** The Resource persons explained the principles of flight. They told that how planes fly in the sky and what physics is involved in it. Then they gave papers, glue, plastic pipes etc to each participant and asked them to create self made structure which can fly. All the participants created variety of flying objects using papers and other items. It was a very enjoyable session for everyone as they were creating something with their hands and more importantly they were not following the instructions but were making decisions themselves to make structures. Then each of them tried to fly the object and there was good discussions on each case.

**Day 3 :** Using the airplane model, the control mechanisms of the flight were explained. Flights have specific types of control like elevators, spoilers, hop aileron, puddle, etc which are used to control the flights in the air. Knowledge of these were given. Then a kit was given to the participants and with the knowledge that they gained in the workshop, they had to make good gliders. The basic design was fixed and it was the skill of putting things together with perfection that would make the difference. This was a homework, they would come next day with their flying glider for a live demonstration.



**DAY 4 :** On the last day of the workshop, a demonstration cum competition was arranged in Gyandayini Open Air Lab within Sopan Ashram. The participants were to come one by one with the glider plane that they made and fly it. Each participant was called to project his/her glider plane. Two resource persons were on the task of measuring the distance between the projection place to the place where it lands.



Two other resource persons were to ask some questions to the participant to probe the learning the person got from the workshop. With these criteria they were given points and the best performers were given special appreciations and prizes. In which Arpit Sharma of class 12th got first prize, Ansh Chaurasiya of class 12th got second prize and Ajay Kamal of B.Sc. got third prize.

In a separate session, the SSERD Resource Persons made a Remote Control (RC) aircraft at Sopan Ashram itself. They brought it in open just outside Sopan Ashram and flew it in sky. When it went to heights and distances it hardly looked like a small bird. They also showed flying and controlling of drone. Participants and local people enjoyed a lot seeing the flying.



At the closing ceremony of the workshop, Mr. Vaibhav Varun, Mr. Amit Kumar Bajpai, and other senior members distributed certificates to the participants. Certificates and memento were given to resource persons and Vaibhav ji for conducting this marvellous workshop. Mr. Praveen ji, from Avaikul also present during the closing ceremony, also blessed the students and distributed certificates to them. This workshop was very fruitful for the participants. They enjoyed and learned so much about aviation.



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

In the month of April, the center was closed after 10<sup>th</sup> April in view of the rising Covid. But there were two good activities Pre and post closure.

### **Baal Akhbar**

As in done every month, this month also SASK released the next edition of Bal Akhbar. This akhbar was prepared by Ajit Kushwaha of class 7th . It included many inspirational thoughts and articles. Manshi of class 3rd wrote an article and its title was "Meri Kahani Aao Padhe". Under "Meri Kalam Se", Shreya of class 5th wrote a poem titled "Kitabe Kuchh Kahna Chahti hai", In the advice column she wrote advice on Covid " Don't fear with Covid just wear Mask". At the end, this edition also included the news on the shortage of oxygen in our country. Seema Verma ji motivated and helped the students in making this Bal Akhbar. In the frustrating environment this Bal Akhbar helped to students in doing some positive things at home.



### **Always try something new**

As we know the whole world facing a pandemic. Sure, it is a tough time. But we don't have to loose hearts and keep our spirits high. To give the message to all the students of SASK, the coordinator and volunteers started a new drive named " Kuchh Naya Karte Raho". The motive of this activity was to motivate the students that we should not sit silently, we should think in some different way and try to do new things. In the continuation of the above scenario, SASK team members prepared an English learning-teaching material for the students which included the explanation of Present, Past and Future tens.

Seema verma watched a YouTube video of Dr. H. C. Verma sir and was greatly impressed. That video motivated her and she started this new activity. If you want to watch please use this link - <https://youtu.be/2Eki788Vh-8>



## Sopan Ashram Evening center (SAEC)

In April month, 8 students from SAEC participated in the aviation workshop organized at Sopan Ashram. These students were very excited to know so many totally new things. They made nice gliders which flew nicely. The regular activities which were partially opened in the previous month were again closed due to 2<sup>nd</sup> wave of Covid. However, Center coordinator and volunteers are connected with students online. Together with talking academics, the volunteers are repeatedly reminding the students to remain very careful against Covid and "Stay at Home".

## Sopan Library

Library was closed in the month of April due to sudden rising of the cases of Covid 19. So no activity happened at the center. But the coordinator Pushpa Tripathi has not given up. She connecting to the key members online and keep their morale high. She is continually sending good thoughtful messages and stories to the members and volunteers of Shiksha Sopan through WhatsApp. All members read the messages and stories and send thanks to Pushpa Ji.

## Achievements

Shiksha Sopan is very happy to share that our two of its volunteers got jobs in reputed companies. Details are given below-

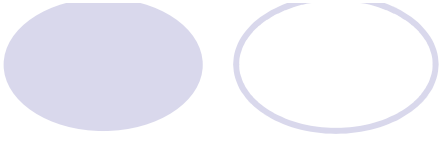
- 1) Mr. Himanshu** - He is a very dedicated volunteer of Shiksha Sopan. He handled accounts of Shiksha Sopan and also Coordinated Dr. V N Kulkarni Merit Scholarship Exam. Himanshu is also pursuing the final year of MBA from PSIT Kanpur. Even before completing his MBA he got selected in the IDFC Bank as Banking Officer in April month. He has joined the job and is currently located in Delhi. He is still contributing to Shiksha Sopan and it is he who drafted this Newsletter to begin with.



- 2) Mr. Vijay Kushwaha** - He is a very dedicated volunteer of Shiksha Sopan. He was giving his services in the science cell. He designed so many experiments for Shiksha Sopan. He is very keen on working in the field of Networking. He did the certification course in networking from CCNA and MCSA. He gave an interview in Abhi Impact Logistics Solution Private Limited Pune and selected as Network Support Engineer. I am very sure you had read about him in previous newsletters.



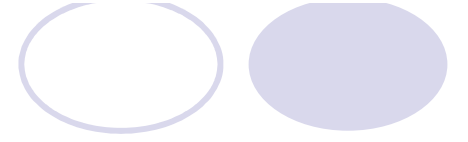
Shiksha Sopan wishes them for their bright future. We also pray to God that you always move forward in your future and achieve high success in your life. Shiksha Sopan will always be with you.



नर हो, न निराश करो मन को

कुछ काम करो, कुछ काम करो  
जग में रह कर कुछ नाम करो  
यह जन्म हुआ किस अर्थ अहो  
समझो जिसमें यह व्यर्थ न हो  
कुछ तो उपयुक्त करो तन को  
नर हो, न निराश करो मन को।

निज गौरव का नित ज्ञान रहे  
हम भी कुछ हैं यह ध्यान रहे  
मरणोत्तर गुंजित गान रहे  
सब जाय अभी पर मान रहे  
कुछ हो न तजो निज साधन को  
नर हो, न निराश करो मन को।



नोट : नर के अर्थ में नारी भी निहित है

संभलो कि सुयोग न जाय चला  
कब व्यर्थ हुआ सदुपाय भला  
समझो जग को न निरा सपना  
पथ आप प्रशस्त करो अपना  
अखिलेश्वर है अवलंबन को  
नर हो, न निराश करो मन को।

श्री मैथिलीशरण गुप्त

अंधकार को क्यों धिक्कारे, अच्छा हैं एक दीप जलायें

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