

Shiksha

Sanskar

Swavalamban

# Shiksha Sopan

*An Initiative of IIT Community for social upliftment*

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**Newsletter May 2015**



Shiksha Sopan salutes the resilience of the people of Nepal and India, for their courage in the face of disaster. The month of April was quite hot but all the centers run by Shiksha Sopan gave their output as usual. Shiksha Sopan tried to aware people with its aim and these people tried to mixed with us. We organized some very important activities like Science show at L-7 IITK, Science exhibition at Shiksha Sopan Anaupcharik Shikshan Kendra, Barasirohi and some other Science Activities at different places in different modes.

## **Shiksha Sopan Anaupcharik Shikshan Kendra**

### ***Science Exhibition at SASK***

Shiksha Sopan Anaupcharik Shikshan Kendra together with some IITK students organized a one day Science Exhibition at SASK on 11<sup>th</sup> April, 2015. Mr Kush, Mr Nikhil, Mr Prasang, Mr Hari Shankar and Mr Gaurav from IITK and all the teachers of SASK trained the children with many science experiments related with daily life situations and puzzles related with Science and Mathematics. Mr Ashish Batler, EC member Shiksha Sopan and Ms Seema Verma, Principal SASK coordinated the whole event.

Dr H C Verma, Mr Amit Kumar Bajpai, Mr Anurag Pandey, Mr Ashish Batler and Ms Sunita inaugurated the exhibition. More than hundred students from different schools with their Principals and teachers enjoyed and learned a lot from this Science Exhibition. Mr L L Vishwakarma, Principal, G P N Vidyalaya appreciated the program and blessed the children.



All the ongoing activities of Shiksha Sopan were presented in the exhibition via posters and all these posters were created by the SASK children. The whole life of Prof C V Raman was also presented via posters. The whole exhibition was dedicated to Prof Raman. More than 25 experiments were shown by these children. Some of them are Syringe generator, Brain Cap, Spinning balloon, Add water see coin, Simple motor, Ball and air and eye boll etc.

Dr H C Verma, interacted with Sopan children who demonstrated the experiments. He was very happy to see the talent of Shiksha Sopan children. All other Sopan members present there enjoyed a lot from the exhibition.

### **Children's Houses Visit**

Mr Hari Shankar Prasad and Mr Gaurav Kumar, IITK NSS students together with SASK teachers visited the houses of children and talked to the parents about the importance of education and encouraged them to participate in the process. They tried his best to motivate the parents. The two also went to families where children were not sent to any school, they told them about SASK activities and SASK admission process. Mr Hari Shankar and Mr Gaurav talked to the parents for sending the children for education.



### **SASK Visit**

Shri Narendra Chaudhary and Shri Prasad Joshi from Maharashtra came to visit Sopan vidyalaya on 22<sup>nd</sup> April, 2015. Dr Sameer Khandekar, President, Shiksha Sopan was present there. He introduced these guests. He had also given detailed introduction of Shiksha Sopan. Both the guests interacted with SASK children and blessed them for their bright future.



### **Science Cell Activities**

Science team of Shiksha Sopan organized lots of programmes in different ways for spreading science in rural areas so that they can understand the basic science in daily life. Activities are given in brief.

### **Science Show at L-7**

A Science Show was organized by Shiksha Sopan on 04<sup>th</sup> April, 2015 at L-7 IIT Kanpur from 04:00 pm to 06:00 pm for students studying in class 6<sup>th</sup> to 12<sup>th</sup>. More than 350 students from different schools and nearby society, enjoyed and learnt a lot from this show.

Dr Arindam Rana and Dr B N Das, our senior resource persons from Kolkata, came here to demonstrate science experiments. They developed a lot of low cost scientific experiments to inspire the enquiring spirit among students. Dr B N Das talked about the basic principles of reflection, refraction and diffraction and showed these phenomena by some innovative experiments while Dr Rana demonstrated some chemistry experiments.



## Science workshop at SGM Inter College

Dr B N Das and Dr A Rana gave a workshop at Saraswati Gyan Mandir, Inter college, Indira Nagar, Kanpur on 5<sup>th</sup> April, 2015. They are making efforts for spreading their effective teaching methodology for science education. They showed a lot of science experiments and discussed about them. Dr B N Das talked about the methodology of science Teaching. He also discussed some physics experiments among all the teachers and this teaching methodology was appreciated by the teachers.



This was a teacher's workshop and 55 teachers were present there. Dr H C Verma from IITK, Shri P P Shachan from HBTI Kanpur, Shri J P Sharma from Opportunity School, Mr Amit K Bajpai from Anveshika, Mr Anurag Pandey from Shiksha Sopan and so many other teachers from different schools were present there.

## Training Program at Anveshika

A three days training programme was organized by Shiksha Sopan and SGM-IAPT Anveshika at Anveshika premises, Indira Nagar, Kalyanpur Kanpur from 28<sup>th</sup> to 30<sup>th</sup> April, 2015. Dr H C Verma, Secretary Shiksha Sopan, Mr Amit K Bajpai, Mr Deepak Mishra and Mr Vimal Kumar from science cell planned the experiments and their sequences.



Dr Verma gave sessions on science teaching modules. Other Sopan members present there, assisted Dr Verma in the program and they themselves presented several experiments. A total of 15 teachers from Banda district, 140 km away from IIT Kanpur, attended the programme. These teachers were from Government schools and they teach class 6<sup>th</sup> to 8<sup>th</sup>.

## Sopan Evening Centers

At both the Evening Centers, New SAC and Barasirohi, 26<sup>th</sup> April classes were suspended because of Earthquake in Nepal and parts of India including Kanpur. On the next day, children observed two minute silence in memory of those deceived in the earthquake. Seniors told them about the reasons of earthquake and precautions to be taken during such events.

At Barasirohi center, the coordinator Ms Geeta counseled the children after Annual exam results in their schools. The children have done fairly well scoring marks up to 85%. Ten of these are in First division marks. They were advised to work hard to score good marks together with participating in various learning activities.

At SAC center, where children of higher classes study, focus was on choosing right stream. Four of these children have filled form for National Sugar Institute for higher studies.

## Sopan TIME (Technology induced Maths Education)

After getting budget from CAF India, Sopan EC members decided to start Sopan TIME program. At present Mr Anurag Pandey had taken the whole responsibility to start this program. Brief introduction of TIME program is given below:

### **Objectives:**

- Understand students' perceptions in the use of modern information technology based gadgets (such as tablets) in the learning of preparatory mathematics.
- Understand lecturers' perceptions in the use of such gadgets in teaching of preparatory mathematics.
- Determine technology acceptance levels of both teachers and students and access overall impact on pedagogic skill development.

### **Basic Idea:**

Tablets and Smart phones are changing the way we learn. They are intuitive and ubiquitous and they blur barriers between school and home, work and personal life, play and study. The basic idea of proposed TIME program is to provide exposure of Tablet based learning applications in Maths to young children.

### **TIME Execution:**

- We will select a total of about 10 children of class 5 from Shiksha Sopan Anupcharik Shikshan Kendra, Opportunity School, GPN Vidyalaya, Barasirohi evening center and SAC evening center. The selection process will be based on the target given to them and a small test of basic arithmetic.
- After selection, we will conduct two evening classes on gadgets based learning in a week for three months.
- These classes will start from 01<sup>st</sup> July, 2015.
- Subsequently, impact assessment will be done.

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## **Other Informations**

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

### **How to donate:** *Shiksha Sopan*

(a) You can pay through credit/debit card by going to [www.godparents.in](http://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, IITKanpur branch. Account No. **10426002488**, Account name "Shiksha Sopan", IFSC code **SBIN0001161**

(d). People in US can use the link <http://indolink.com/iitk/> to donate through IIT Kanpur foundation using credit cards.

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