

Shiksha

Sanskar

Swavalamban

Shiksha Sopan

An Initiative of IIT Community for social upliftment

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In the month of July, after summer holidays, various programmes of Shiksha Sopan started with full vigour. Shiksha Sopan Anaupcharik Shikshan Kendra and Barasirohi Evening center are being reorganized with new programmes. Sopan Science cell is actively involved in designing very beautiful and interesting experiments for school teachers as well as students. This cell also organized various workshops at different places. Shiksha Sopan Higher Education cell supported Mr Rohit Aryal, a student of Pratibha Poshan Yojna, for admission in IIT Goa.

Shiksha Sopan Science Cell Activities

Shiksha Sopan Science Cell was actively involved in making innovative experiments for NAEST (National Anveshika Experimental Skill Test-2016) conducted by IAPT (Indian Association of Physics Teachers). This cell is also working very enthusiastically on science popularization and had done one day teachers workshop at two different places in Kolkata.

Workshop at Saltlake, Kolkata

On 08th July, 2016 (Friday), Dr H C Verma, Secretary, Shiksha Sopan gave a one day workshop at CBSE Teachers Training Centre, Saltlake, Kolkata. The whole workshop was organized by Central Board of Secondary education (CBSE). Mr Amit Kumar Bajpai and Mr Ranjit Kumar also from Shiksha Sopan had planned the experiments and their sequences. They also assisted Dr Verma in the workshop and they themselves presented several experiments.



About 60 CBSE physics PGT teachers were present and enjoyed the workshop. A 6.5 hours interaction with all these teachers was very good. It was also very pleasant experience that all of them were very efficient and dedicated persons. Experiments showed by Dr Verma were very refreshing, new and exciting for all the participants present there.

Workshop at Baranagar, Kolkata

In the same fashion, on 18th July, 2016 (Monday), Dr H C Verma and Mr Deepak Mishra from Shiksha Sopan gave a workshop to 60 teachers. The whole workshop was organized by ICSE at ICSE Teachers Training Centre, Baranagar, Kolkata. Mr Deepak Mishra assisted Dr Verma in the workshop and he himself presented several experiments.

Short Course on Basic Physics at IITK conducted by TEQIP

A short course on basic physics for some selected B Sc students was organized by Dr H C Verma at IIT Kanpur under the banner of TEQIP, an MHRD initiative to improve technical education in India. The 2-week course was intended to give students a flavor of Basic Physics at UG level both in experiment and in theory. A total of 39 students participated in this course. It consisted of lectures on Physics topics by renowned Professors, Lab activities, hands-on experiments etc.

Shiksha Sopan participated in organizing this 2-week camp by designing and implementing lab activities, management of sessions by different Professors and giving sessions on Science experiments.

A special lecture on Shiksha Sopan activities was given by Mr Anurag Pandey, our joint secretary, to let the students know about outreach social activities we are doing in the villages close to IITK campus.



Innovative Experiments

Dr H C Verma, gave some innovative ideas to develop new experiments. These experiments will be used in a national exam conducted by IAPT (Indian Association of Physics teachers). One of these experiments is based on concepts of Wheatstone bridge, an electrical circuit used to measure an unknown resistance by connecting it so as to form a quadrilateral with three known resistances and applying a voltage between a pair of opposite corners. But the innovative idea in this experiment is the use of a LDR (Light Dependent Resistor) as an unknown resistance which depends upon light intensity. Another experiment is based on removal of parallax. There are some other innovative experiments which we are not including here. All these experiments are designed by Shiksha Sopan Science cell.

Shiksha Sopan Anaupcharik Shikshan Kendra (SASK)

After summer vacations, Shiksha Sopan Anaupcharik Shikshan Kendra Started their classes from 1st July, 2016. Admission process is still going on. A total of 80 students were enrolled in this session. A new appointment, Ms Rupa Katiyar, has been made in this session. She is very intelligent and enthusiastic person. She has complete her Bachelor in Arts.

Special Classes on Craft

Students of SASK were trained in making gifts like flying birds, rotating fan, whistle, jumping frog and beautiful basket. They made these gifts using velvet, tissue, printed cloth, shimmer cloth, fabric color and some other types of cloth. These classes were given by Ms Seema Verma, Principal SASK.

Attendance Reward

Though children generally do not miss the school as they enjoy the activities here, SASK honored those having attendance by giving some gifts.

Mango Party

Students of SASK celebrated Mango party on 09th July with Mr Nikhil Kulhari, IITK undergraduate student. SASK decided to celebrate the season of the king of fruits "MANGO" with a fun-filled learning opportunity in the form of a Mango Party. The "Mango Party" mania was kicked off by introducing different types of mangoes in the morning assembly. Children were introduced to an array of mangoes such as dussehri, safeda, chausa and langda. The children touched, smelled, and held the mangoes in an attempt to distinguish one from the other. They were quite excited and eager to know more about mangoes and their kinds.



Participation in Science Exhibition at New SAC, IITK

A Science Exhibition was organized at New SAC, IITK on 08th July, 2016. Students of SASK were invited to put up a stall to show their experiments. An experiment based on nature of lens was a center of attraction at the stall. They showed a lot of other science experiments in the exhibition.

Children were very excited to show their low cost experiments. These experiments were appreciated by the people who visited the exhibition. All the teachers of SASK were present there.

Rohit Aryal, a bright student of Shiksha Sopan

Mr Rohit Aryal, a student of Pratibha Poshan Yojnana, has a success story to tell. In a remote village of Kannauj about 90 km from IITK, this bright boy from an extremely poor family was enrolled in a typical rural school. His father is a hawker and he is earning Rs 2500 per month. There are 6 family members in his family including him. In the year 2011 he was spotted by Shiksha Sopan during its talent search. With three summer camps with Shiksha Sopan, his inner strengths were nurtured and he became



very confident. He passed grade XII with UP Board getting 89.8% of marks and decided to prepare for IITs. And he finally made it and got selected in IIT JEE 2016. For the first time he with his father made a train journey of 36 hours to go from Agra to GOA to get admission in Mechanical Engg. We wish he copes up with the IIT system and maintains his grown rate.

Upcoming Event

Dr H C Verma is giving an Online course (MOOC) on "Learning Physics through Simple Experiments" starting in September. A website www.physicsexperiments.in has been created by CDTE, IIT Kanpur to host the course. The course should be useful for all Physics teachers and for students of grade 9 onwards. The course will be for 8 weeks and admission can be taken by registering on the website.

Other Informations

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, 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.

(e). All donations are Tax free (up to 50%) under section 80/G.

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