

Shiksha

Sanskar

Swavalamban

# Shiksha Sopan

*An Initiative of IIT Community for social upliftment*

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Newsletter June 2013



The month of May was very hot and all the centers were closed but Shiksha Sopan gave the local summer camp to selected children of the centers. The another Summer camp for PPY (Sr) children was carried out in parallel at Indira Nagar. Science cell was involved in National Workshop of Utsahi Physics Teachers – 2013. Summer Internships to two candidates were given by Shiksha Sopan.

## PPYS Summer Camp

This is the fourth summer camp of children selected under Pratibha Poshan Yajana (senior) in 2010. A total of 13 children from 4 districts, who have just passed their class 9<sup>th</sup> Exam, are participating in this camp. This year we planned that the Summer Camp of Pratibha Poshan Yojna (Sr) be organized in two different slots. In first slot, we conducted the camp at Saraswati Gyan Mandir (SGM) Inter College, Indira Nagar from 5<sup>th</sup> May to 20<sup>th</sup> May 2013. Second slot of the camp will be held on 2<sup>nd</sup> June–20<sup>th</sup> June, 2013 at IITK.

The overall coordination of the camp was done by Mr. Harshvardhan, M.Tech. student of IIT Kanpur. The children stayed at Hari-om hostel of SGM and classes were held at SGM-IAPT Anveshika. The Inauguration was held on 5<sup>th</sup> May at Anveshika. The Chief Guest of the function was Mr. Gopal Khanna, an industrialist and a social activist. Inaugural function started with lighting the lamp by Mr. Gopal Khanna, Mr. Anil Gupta from TDC, Mr. Amit Kumar Bajpai and Mr.

Ashish Bhateja. Saraswati Vandana was done by Vikas Kushwaha, one of the participants of the camp.

The academic focus of the camp was on Mathematics, English and Science. IITK students Rajkamal and Shayandev taught trigonometry and Professor H C Verma gave classes on Complex numbers. Science classes were given in the form of videos, which were recorded at IITK for Hindi belt children.

Apart from academics, they were given slots for fine arts, games, music, stories etc. On Sundays they were shown movies on projector. They also visited the home of Mr. Gopal Khanna on Sunday.



## Local Summer Camp

The evening Centers at Old SAC and Barasirohi were closed for Summer vacation in the month of May. However, Sopan arranged an 11-day local summer camp for the children, studying in class 9<sup>th</sup> onwards, from these evening centers from 10<sup>th</sup> May to 20<sup>th</sup> May. The camp timing was 11 AM to 6.30 PM. Children used to come at House No. 307 by 10.45 AM with their lunch boxes. They were given two classes one for Mathematics (Ayan Chakraborty) and another for English (Sarjana and Jhilmil).

This local camp was coordinated by Ms. Seema Verma. All volunteers of Shiksha Sopan also participated in this camp. Prof. H C Verma along with Mr. Anurag Pandey inaugurated the camp. Dr H C Verma gave special classes on 4 experiments included in class 11-12 syllabus. With well explained demo of these experiments by Dr Verma, children were ready to perform the experiments. For each experiment two sets were kept and the children performed the experiments in a systematic way. Dr Verma and his team not only guided them in doing the experiments with proper skills, but also trained them in presenting the data, analyzing it and writing reports. Computer classes were also given to some selected students studying in class 11<sup>th</sup> and onwards. The computer training was also given by Ms. Sarjana, where she trained students to prepare presentation slides on a topic using Microsoft Power Point presentation. She also taught presentation skills to students. There were some other activities like craft and dance, which were undertaken by Seema ji. Students from this camp also prepared a skit under the guidance of Ms. Jhilmil, an internship student, on social security of women. The camp was successfully completed on 25<sup>th</sup> May, 2013.



## National workshop of Utsahi Physics Teachers 2013, (NWUPT – 2013)

A six-day workshop on Physics teaching at school level (25<sup>th</sup> May – 30<sup>th</sup> May, 2013) to train school teachers to use innovative experiments and style in their teaching was organized at IIT Kanpur. The workshop was inaugurated in the Outreach building of IIT Kanpur. Prof S C Srivastava, Deputy Director IIT Kanpur and Prof. Satya Deo, Treasurer, NASI-Allahabad were the Chief Guests.



The Lamp of Knowledge was lighted by Prof. S C Srivastava, Prof. Satya Deo, Prof H C Verma, the coordinator NWUPT-13. Prof H C Verma introduced the concept of this workshop and laid down background of the workshop. Prof. Sameer Khandekar, Treasurer, Shiksha Sopan, gave a brief introduction of Shiksha Sopan and their activities in the workshop's inaugural programme.

Prof. Satya Deo shared activities of NASI in science enrichment in India. The Deputy Director, Prof S C Srivastava stressed the need of improving education scenario at school level and assured all possible help from the institute. Prof H C Verma gave the vote of thanks.

During workshop, the focus was to train participants for performing experiments at school level. Therefore, around seventy-five experiments were designed and developed for this workshop by the science team of Shiksha Sopan. The workshop took-off with an enlightening lecture of Prof. H. C. Verma on Neils Bohr's atomic model. Prof. J. P. Chaturvedi shared useful information of Mars, and also conducted a separate session on sky watching.



Dr. B. N. Das also demonstrated few experiments to the enthusiastic participants. Dr. Jaya Pandey of Amity University showed chemistry experiments. Mr. Mineesh Gulati from Udhampur trend the teachers on the tracker software in which any video film can be analyzed with a time resolution of 30-40 ms. Participants shoot one to two seconds videos using their mobile camera and did the analysis with tracker. Mr. Sandeep Tiwari from Sir Padampat Singhania Education Center described the kit named expEYES where computer interfaced Physics experiments could be done.

IITK Director Prof. Indranil Manna also visited workshop on 27<sup>th</sup> May, and motivated the participants and Shiksha Sopan volunteers. A cultural function was also organized by Shiksha Sopan volunteers and students for workshop participants. The whole program was anchored by Shri Anurag Pandey and Shri Amit Bajpai. Participants from NWUPT also presented some songs and dance. Participants also collected money on their own and donated it to Shiksha Sopan. On the last day, an open-house session was organized, where participants had discussions with IITK faculty members.

### **Visit of IIT Roorkee Students**

A team of IIT Roorkee students recommended by Dr. Anil Kumar Gaurishetty, a faculty in Physics Department IIT Roorkee, visited Shiksha Sopan centers from 8<sup>th</sup> to 10<sup>th</sup> May, 2013. They all are volunteers of an organization Bharat Vandan in Roorkee. They go to nearby villages and teach children over there. The purpose of their visit here was to take an insight of the various activities done by Shiksha Sopan. Mr. Anurag Pandey gave them a presentation on our different activities.



IITR students visited our evening center at old SAC, IITK, and talked to students and volunteers there. We also took them to PPY(Sr.) camp at Anveshika for an interaction with class 10<sup>th</sup> children. There they shared their views on the challenges they face when they go for teaching in the neighboring villages.

Mr Deepak Mishra and Mr Amit K Bajpai showed lot of experiments to them, which were based on daily life. Mr. Anurag Pandey showed a video on "force" and discussed the importance of including experimental activities in science teaching. Dr. H C Verma told them how one can interact with children for their upliftment. Sandeep Sharma and Ashmeet were very enthusiastic students among all of them.



Mr. Ashish Bhateja interacted with these students and told them about the way in which Shiksha Sopan is growing up.

### **Internship in Shiksha Sopan**

Ms Sarjana, a graduate student at Symbiosis Institute of Media and Communication, joined Shiksha Sopan for an internship for one and half months duration. She taught computer fundamentals to students at local summer camp held from 10<sup>th</sup> to 25<sup>th</sup> May, 2013. Apart from that, she also prepared students for dance performance in Shiksha Sopan's cultural programme in NWUPT-2013 workshop.

Ms Jhilmil joined Shiksha Sopan for her internship for a period of one and half months. She also assisted in carrying out local summer camp successfully. She taught children English, and helped children to prepare a skit on social security of women. The skit was performed in the cultural function of NWUPT-2013.

Both these interns were deeply impressed by the Sopan team. They mixed up with the children very well and enjoy working with them Children too were very homely with these two young girls.

## **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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