



# **Rashtriya Avishkar Abhiyan**

**(MHRD, Government of India)**

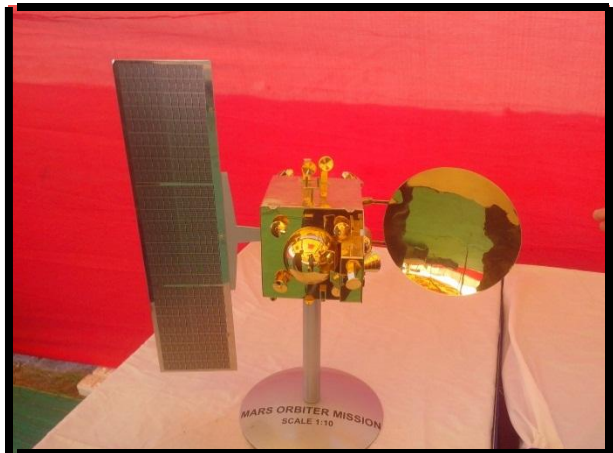
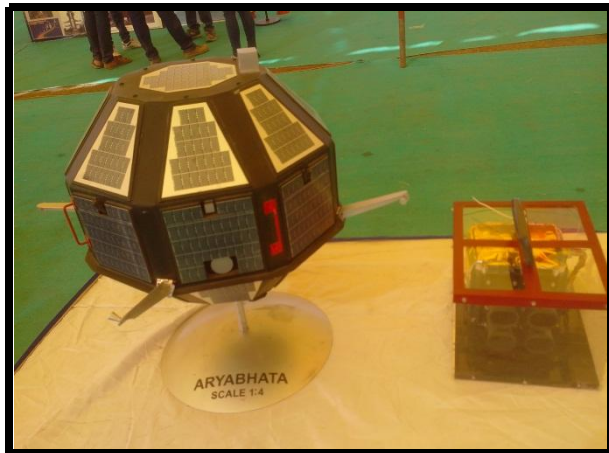
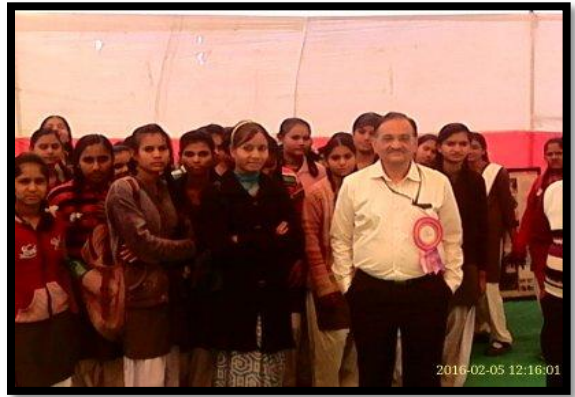


## **IIT Indore Activities**



## **School Students in Vikram Ambalal Sarabhai exhibition (ISRO) at IIT Indore Fiuxus'16**

The students of various schools had come for the Vikram Ambalal Sarabhai exhibition which was happened on second day of Fluxes 2016. Various Indigenous technology of ISRO, the MOMS success and Science behind the satellite and its different technology was briefly explained. Dr. C. P. Dewan, Group Director, OPMG, ISRO had given speech on various Indians Indigenous technology for space application.





## **During IIT Indore Industry Academia Conclave-2016 Students Visited and Presented Models for School Students**





## **Visit by School Student in Industry Academia Conclave-2016 at IIT Indore Campus**









# IIT Indore Student Taking Class of Government School Students

Globally, more than 115 million children of primary school age do not attend school. It is more severe in developing country like India. A disproportionate number of total out-of-school children in India are girls. What denies equal opportunities of children are serious social issues that have arisen out of caste, class and gender differences? The practice of child labor in India and resistance to sending children to school in several parts of the country remain as genuine concerns. If the current trend continues, millions of underprivileged children will probably never set foot in a classroom. In order to mitigate such problems IIT Indore has taken a remarkable step for rehabilitation of those students. In Every Saturday, the Students of IIT Indore from various discipline engaged to teach the school students of Simrol. In order to procreate the facilities, IIT Indore adopted a Govt school named..... in Simrol. Following are some images for a sponsored program conducted in school with collaboration with Student Entrepreneurship Supporting Cell, IIT Indore (SESC).





On that day the students named Aditya Kumar Bharati , Debashis Panda, Deepika Yadav , Manideep , Prasanjeet, Vishnu, Yerra Sri Yeshwanth had successfully carried out the programs.

## Target

- Preparing students for Jawahar Navodaya Scholarship, Indian- Oil Scholarship
- Mentor-Student program for better result
- Group- Discussion in various batches
- Introducing Audio-Visual learning method
- Up gradation of the online learning platform “Pathsala”
- Science model representation for better understanding.

## **EVENT**

**The RAA Unit along with Dr. S. K Vishvakarma & Placement Team of IIT Indore, together took the lead to conduct a tour of the Govt. Higher Secondary School and the Govt. Middle Girls Hostel at Simrol, Indore.**

## **DATE**

**April 1, 2016**

### **Target accomplished through the tour of Govt. H S School, Simrol**

1. Later on, we also discussed about the computer training courses to be provided by IIT-I to improve the computer based knowledge of students as well as teachers.
2. We motivated the students to bring about their zest and innovative ideas so that we can provide necessary facilities and environment thereby enabling them work for their passion to create something worthy for the society.
3. Interestingly, we found a 12<sup>th</sup> class student who is a champion player at district level in the sport of Archery, but is unable to proceed at a National Level due to lack of facilities and financial support. The team then discussed about various ways and contacts through which his talent could be supported ahead. Upcoming sports facilities at IIT Indore could be used for his training.

### **FUTURE DIRECTIONS OF WORK:**

There are a couple of directions in which the team plans to take this case ahead. First one being: identification of certain students to support the development of an innovative solution for a problem which they have identified in their daily routine. However, since the school is non-residential, this will be executed, once the next session begins in July. Second: development of computer infrastructure, at the currently existing laboratory arrangement at the school. We plan to execute this before the beginning of the next session. Once, it is ready, a small team of volunteers could be sent there on a pre-planned schedule for giving computer lessons, during the session.

### **Target accomplished through the tour of Govt. Middle Girls Hostel, Simrol**

1. Similar to the previous visit to Govt. H S Secondary School Simrol, at the Govt. Middle Girls hostel, we introduced the students to our two grass root innovators *Mr. Gangaram* and *Mr. Shri Prakash Diwedi*. Here also, both of them explained the students and the wardens, how they select and work on innovative projects which will improve quality of life of village people and help the economically weaker sections to generate income with negligible investment. Now, these girls had visited IIT Indre's campus a couple of months ago during IIT Indore's annual student festival

FLUXUS. During their visit, our grass-root innovators and the team had familiarized them their innovations and had given them a tangible experience with their innovative products. Due to this, a bond had already developed between the students and the team. So, the discussion at the hostel got intimate very soon. Students started sharing their expectations, their experiences during the last visit, curiosities about the new happenings, etc.; even a few birthdays were celebrated!

2. We then visited their model/craft rooms. The team was amazed at how talented the little students were. We viewed their art pieces/designs that they had put up on display. They were pretty innovative design in themselves. Based on this, a plan was put forwards to conduct summer camps to teach a few new things or to deepen the talent in a few existing ones. Even here, we discussed in detail how to improve the computer skills of students and teachers. Further, we charted a plan to make their model room equipped with working computer and to train them.
3. Then, we visited their dormitories. Their simplistic way of living, making utmost utilization of all that is available to them, impressed the team. Provision for additional amenities like increasing the number of mirrors, better lights and fans, improving ventilation and windows, provision of bed-sheets for the students, etc. was identified as a scope for further improvement.
4. After that, a T-Shirt distribution session was conducted on the behalf of Placement Office, IIT Indore to all the students of the hostel.
5. The team also conducted a quiz session and appreciated the brilliant answers from every student in front of entire group. This motivated them to participate and engage themselves in group discussion in a better way and represent their views and suggestions to the community in large without hesitation.
6. Ultimately, the team was successful in putting forth a genuine attempt to motivate the students to bring about their innovative ideas to the world and create something attractive and worthy for the society. As a sign of victory, we received an honest request from the students to visit them soon and a gesture of wanting to spend more time with us!

## **FUTURE DIRECTIONS OF WORK:**

Unlike the first school, as this is a hostel, we plan to start with some courses which will be fun-filled, interesting but targeted towards skill-development as a mini summer camp. Students ready to volunteer during the summer will be given the liberty to choose one particular area, say mathematics, science, English, etc. and prepare a deliverable curriculum for the course. Post-summer activities will be decided upon after these initial ones and further identification of scope.





## Academic activities govt. Simrol School





## T-shirts distribution to the students of the govt. schools Simrol





## Visit of School Students and Teachers to IIT Indore















