

IISER Pune

Outreach Educational Activities in spirit of Rashtriya Avishkar Abhiyan

A.A.Natu

aa.natu@iiserpune.ac.in

1. Mentoring of Teachers by Higher Education Institutions (HEI)
2. Mentoring by HEI of school science facility
3. Mentoring of students by HEI and Graduate students at school
4. Internship of students at Mentoring Institutions (HEI)

Vision

To bring quality education to the underprivileged young minds in order to change their lives for the better.

To make their childhood brighter and to let the children take their imagination beyond the grey walls of their class rooms.

To bring light into their neglected lives and broaden their minds.

**To create alternative strategy for Science
and
Mathematics Education in Schools**

GOAL



- *Improve the class-room atmosphere and infrastructure.*

Provide quality study material

- *Host workshops*
- *Collaborate with schools and other organizations.*

We aspire to change lives. Our endeavour is to shape the young minds of the country and their potential.

Join hands in our effort to open minds.



**Glimpses
of our
activities**





Abhyasika

Abhyasikas at
Laman Vasti and
Sanjay Gandhi
Vasahat
Skill development
also.
Monday to Friday



Science Nurture Program

Some of the students from local municipal schools.

During weekends, Disha has organized afternoon classes where the children come to IISER Pune and do hands-on activities in science and mathematics.

The goal or aim of this program is not just "To assist the children in their school studies but to enhance the good skills in them so that they can compete in this world."

The program focuses on more dedicated students and takes their learning to a new level.

Mind Spark

Mind Spark focuses on preparing around 25 selected 6th standard students from 5 different Pune MNC schools nearby IISER-Pune for "7th class scholarship exam"-being conducted by Maharashtra state government every year. It is being conducted 4 days in a week at IISER-Pune.

Apart from regular lectures, we also organize guest lectures on different science topics.

Type of the activity: Regular - once or 4 days a week



Spread the Smile

Spread the smile is an outreach activity of Disha which is organised once in a year in the month of February.

This one-month-long activity is aimed at providing everyone an opportunity to interact with and understand rural India by reaching out to village schools around Pune, on weekends with various educational activities.

Type of the activity: Once in a year – on 4 weekends



Vigyan Mela

Once a year, there is a special programme that is organised in Sanjay Gandhi Vasahat and Lamanvasti.

Spanning over two days of , scientific demonstrations, and competitions and interact with specialists from different fields.

The major goals of Vigyan Mela is to bring the children from both the vastis together and let the parents and the residents in their neighbourhood see what their children can do.

In the lab with local and north east students







Jigyasa Science Camp at IISER, Pune.



Left: Inauguration ceremony of Jigyasa Science Camp.

Below: Invitees at the Inauguration ceremony.

Left to Right: Dr. Yogesh Kulkarni (Director, Vigyan Ashram, Poda); Prof. K.N. Ganesh (Director, IISER Pune); Mr. Nagesh Kumar (Minister, CEC, Dantewada, Chattisgarh); Mr. Vivek Panshikar (Education Secretary, Yash Prashasthi).



Notable Events



students demonstrating a science experiment in front of President of India on the occasion of 3rd convocation of IISER Pune.



Three students from Abhyasika centers got a chance to present their models at GMRT science exhibition, Khodad, Pune.







Programs in nutshell FOR STUDENTS

- Popular science talks for 7-9th class with pre registration
- Weekly science club in 3 municipal school
- Thinking problems ,enquiry based learning ,skill development ,Internet practice etc.
- Science idea competition
- Study circle ,Abhyasika
- Mind Spark
- Vigyan mela
- Spread a smile
- Science through interactive hands on training

Programs in nutshell FOR TEACHERS

- Interactive workshops on teaching
- Hands on training in the laboratory
- Outreach programs in various schools
- Planning teachers training program for ~16,000 high school teachers with Rayat Shikshan Sanstha

Indian Institute of Science Education and Research Pune,
University of Glasgow, and Royal Society of Chemistry
present

“Innovative Approaches to Teaching Chemistry”

Date: Tuesday, April 5, 2011

Time: 10:30 AM to 5:00 PM

Venue: Raman Hall

Sai Trinity Campus (near Garware Circle Pashan)

USFR Pune, Pune 411 008

International Workshop on Chemical Education
for teachers

Speakers

Prof. Norbert Pienta,

University of Georgia, USA

Prof. Richard Moog,

Franklin & Marshall College, Lancaster,
Philadelphia, USA

Prof. Pratibha Varma-Nelson,

Chemistry and Chemical Biology Department,
Indiana University Purdue, Indianapolis, USA

Date: 16-17th December 2014

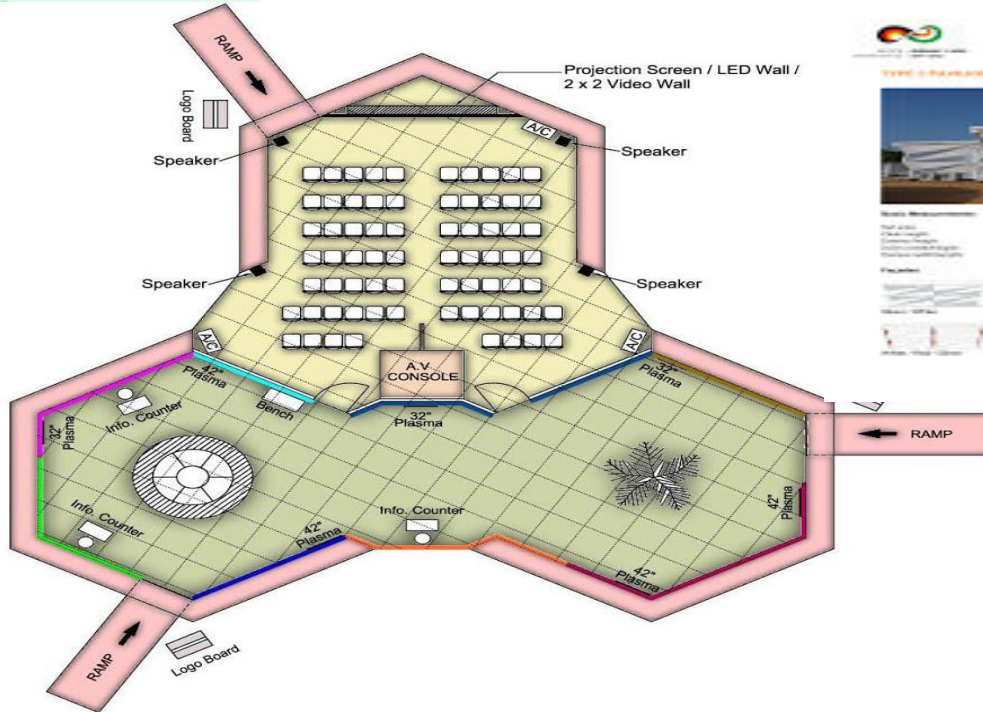
Place: LHC 206

Methodology /hands on
training for physics teachers
5th November 2015

Proposed Science activity centre

- To enlarge its activities and carry the benefits of the work on science education at IISER Pune to a broader audience,
 - set up a state-of-the-art “Science Activity Centre”, to develop new popularization and pedagogical tools for science and mathematics, Science Exploratorium to motivate students to inculcate scientific temper / innovation and promote public engagement to bring science to the benefit of society.
-
- Science Activity Centre for students: Hands-on lab activities for School Students
 - Pedagogy Centre for school teachers and educationists
 - Science Exploratorium /museum for all to motivate and attract towards Sciences

Thanks to Gottingen University



TRINITY - THE UNIVERSITY OF APPLIED SCIENCES - HAW



Basic Information: Name, Address, Phone, Fax, E-mail, Website, Year of Construction, Year of Renovation, Area, Volume, etc.

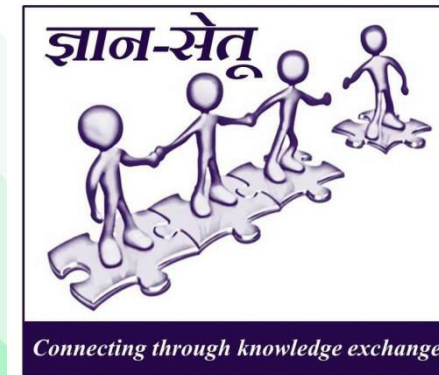
Facilities: A table listing various facilities and their status.

Facility	Status
...	...





Our Collaborators



Visit us at- <https://iiserpunedisha.wordpress.com/>

VISION

Make IISER Pune one of the best International Institute of highest scientific caliber in terms of students training and scientific goals
And impart training to the underprivileged school students and train the next generation of scientists to meet the needs of nation



Thank you

