

Today's attraction:  
'Bollywood Dance' Performance, Closing ceremony



Vigyan Beats, on behalf of everyone at IJSO 2013, heartily congratulates all the participants for their hard work and effort! As the eagerly-awaited results are announced, some of you will have bagged the golds, silvers, and bronzes! A big applause for you, keep it up! All of you have a long way to go in your careers in science, and our best wishes for success in your work!



We know that you made new friends here, and learned far beyond the exam syllabus. We hope that you will share experiences with all your fellow students back home, and help form bonds across national boundaries. Finally, with the knowledge you continue to gain, may you contribute to make this world a better place for all!  
The torch of IJSO will be passed on to the next official host country, and we hope that a greater number of countries participate in IJSO 2014!



We take this opportunity to thank all the 'behind the scenes' people who helped us with Vigyan Beats directly or indirectly. Firstly we would like to acknowledge Prof. Vijay Singh (National Coordinator of Science Olympiads) for his continued guidance and support throughout the event. We are grateful to Dr. Paresch Joshi and Dr. Aniket Sule who were with us from the beginning. Thanks to Nikhil Moghe and Vaibhav Damale of DG Copiers (Pune) Pvt. Ltd who had to put up with our unearthly hours. We are also grateful to Shirish Pathare, Vikrant Ghanekar, Devashree Prabhu, Mrunal Pawar, Saurabhee Huli, and Astha Agarwal who obliged to be our informal correspondents. Thanks to Manisha Deshmukh, Sumana Amin, Tilottama Shirodkar, Umesh Shenoy, Sudhir Pardeshi, Dinesh Pednekar, Mr. More, Mr. Kadam, Mr. Valvi, Anil Sankhwar, Rupesh Shewalkar, rest of the HBCSE staff, all the student guides, and the official photographers (Vedha Productions) of IJSO 2013. Lastly, a big thanks to all the students, leaders, observers and visitors. We were overwhelmed by your enthusiastic response to puzzles and games, and sharing experiences. Students, you have been the real heartbeat of Vigyan Beats!  
Long hours of work, sleep deprivation, printing errors, and shaky internet connections have resulted in some mistakes on our part, in some of the newsletter issues. For this, we sincerely apologise. Thanks to all those who took the effort to inform us about these and also for your constructive feedback.  
Vigyan Beats Issues 1 to 10 will also be available online at <http://ijso2013.hbcse.tifr.res.in/> in a couple of days.

Image source: Saravask, Linuxerist from commons.wikimedia.org., <http://ijso-official.blogspot.in/>.

Editorial team

Chitra Natarajan, Manoj Nair, Geetanjali Date,  
Rafikh Shaikh, Shraddha Ghumre, Adithi Muralidhar.



It has been a great learning experience. Although tired, I am very happy about the event. The Organizing Committee has been working hard to make this event a success. Almost two years of hard work of the Academic Committee has paid off. The committee focused on designing concept-based and quantitative questions that transcended subject boundaries. The discussions around the questions were fruitful, and the feedback from the leaders has been positive. The experimental activities were appreciated the most. Some of these were developed at the Tata Institute of Fundamental Research (TIFR), and were unlike other kit-based experiments. What sets IJSO apart from the other Olympiads is that the practical examinations are a collaborative venture. Students enjoy the mix of challenging problems and the spirit of collaboration.



Dr. Paresch Joshi  
Vice President, IJSO,  
Convener IJSO 2013

Today @ IJSO

Closing ceremony



Venue: Balewadi Sports Complex  
● Buses will leave from your hotel for the venue at 09:00 hrs.

Closing ceremony

Venue: Balewadi Sports Complex  
● Buses will leave from your hotel for the venue at 08:30 hrs.





This is our fifth experience at the Olympiads and we can say that the IJSO 2013 has gone quite well. The discussion around the questions was quite fruitful, and we enjoyed the experimental trial sessions. The standard of questions was quite challenging. There have been some surprises... questions we thought the students would find difficult were enjoyed the most by them.

**Sirapat Pratomtep & Art Ong Pradatsundarasar**  
(Leaders, Chinese Taipei)

The examination questions at IJSO have made the students really work hard. The translation has been very demanding, but is extremely necessary for conveying science accurately to the students. We wish there was less translation work. The text could have been reduced. The overall experience of being at the IJSO has been good for both us and the students.

**Vladimir Paverman (Observer, Georgia)**  
**Alexandr Myagkiy (Leader, Kazakhstan)**



The questions, both theory as well as the practicals, evolved a lot during the discussion sessions.

The team leaders worked very hard throughout, particularly those involved in the translation of the questions into their native languages. The experience of working with the leaders of different countries was really enjoyable, and the overall atmosphere in the jury meetings has been very congenial.

The academic committee was complemented both by the Executive Committee and the team leaders for the way they handled the discussion sessions. The friendly bonds developed here at IJSO 2013 will surely go a long way.

**Deepak Mathur**  
(Chair, Academic Committee, IJSO 2013)

## Zoom In

### Winners of Write to us

Chidinma Jane Eke (Nigeria), Raden Himan Haryo Teguh (Indonesia)

Issue 8- Congrats to Jacqui James (South Africa) and Lauren James (South Africa). We appreciate your descriptive answers to the "bridge-question".

## Today's weather

Sunrise: 06.57AM

Sunset: 05.59PM



Max Temp: 29° C

Min Temp: 08° C

Source: [www.imdpune.gov.in](http://www.imdpune.gov.in)

Sky condition would be mainly clear

All of you journeyed with Vigyan Beats, explored and zoomed in on some typical geographical zones in India. You must have noticed that India, like many countries in the sub-tropical region, has diverse habitats, plants and animals. This inevitably gives rise to India's rich cultural diversity. We also zoomed out to other places on the globe from where all of you came, through your wonderful responses via 'Think Think' and 'Write to us'. We have learned from each other in more ways than one, and certainly it was an exciting journey! It would be wonderful to keep in mind the interconnections of nature, culture, and science, as we go back to our places, and continue to observe, compare, and relate. Happy learning!



### Winner of "Try One More"

We received only one entry. Congratulations Ognjen Tomic (Serbia). You got the right answer but there was something missing in your explanation.

### Glimpses of Outreach Activity



### Student Guide Felicitation

Felicitation of the Student Guide Leaders, along with the student guides and team leaders, by the IJSO Secretary General, Prof. Yung-Ta Chang, and IJSO Public Relation Officer, Dr. Mahesh Edirisinghe, in the presence of the National Coordinator, Science Olympiads, Prof. Vijay Singh.

