



**Bal Bharati**  
**PUBLIC SCHOOL**

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## **Workshop/Seminar Feedback Form**

**Workshop/Seminar title:** Physics Exposure Camp

**Workshop/Seminar Date:** 28<sup>th</sup> Nov '17 – 1<sup>st</sup> Dec , 2017

**Venue:** Homi Bhabha Centre For Science Education ; TIFR

**Attended by:** Rani Vaid  
PGT ( Physics )

**Resource Person:** Prof. Anwesh Mazumdar  
Prof. Vijay Singh  
Dr. Praveen Pathak  
Dr. Joseph Amal Nathan  
Dr. Shirish R. Pathre

**Organizer:** Homi Bhabha Centre For Science Education ( TIFR ) , Mumbai

**Profile of the Resource Person:**

**Prof. Vijay Singh**

Former Professor of Physics at IIT - Kanpur for over twenty years (1984 - 2005) and then at India's premier research institute, The Tata Institute of Fundamental Research (HBCSE), Mumbai as well as Adjunct Professor Indian Institute of Technology (IIT), Bombay and Centre for Excellence in Basic Sciences, Mumbai University. National Coordinator: Science Olympiads (November 2003 to 2015) \

**Prof. Anwesh Mazumdar**

National Coordinator,  
Science Olympiads,  
HBCSE, TIFR,  
Mumbai, India

**Shirish R. Pathare**

Scientific Officer at HBCSE

**Dr. Praveen Pathak :**

Scientific Officer at HBCSE

### **1. Content of the Workshop/Seminar**

As the title of workshop ie “ Physics Olympiad Exposure Camp “ itself suggests that it was about providing orientation to Physics teachers of various schools and colleges all over India about the pattern of National Standard Examination in Physics ( NSEP ) and International Physics Olympiad

The main agenda of the workshop was realized through various lecture series by eminent Professors of one of the best Indian Science educational institute ie Homi Bhabha Centre For Science Education. TIFR Mumbai.

Following aspects related to Physics Olympiad Exam were discussed.

- Pattern of NSEP and how it leads to Indian National Physics Olympiad and International Physics Olympiad .
- Pattern of Physics Olympiad Question Paper .
- Experimental part Of Physics Olympiad Examination.
- Role of IAPT in conduction of NSEP.
- Role of institute Homi Bhabha Centre For Science Education in giving exclusive and free of cost training to students for International Physics Olympiad.

Various aspects related to Physics Educational Research ( PER ) like Setting of Physics Questions , Role of Experiments in Physics teaching and learning , Developing of low cost Physics Apparatuses were also discussed in the lecture series conducted during this exposure camp.

## **2. Learning outcomes (Knowledge and Information) from the workshop/Seminar?**

I learnt

- Various aspects ( mentioned above ) of Physics Olympiad Examinations at Indian and International level .
- Experimental skills and got trained in experiments that comes in International Physics Olympiad.
- Setting of right kind of Physics questions/ numericals.
- Role of Demonstration while teaching Physics .
- Developing of low cost Physics Apparatuses .

## **3. Which topics or aspects of the workshop/Seminar did you find most interesting or useful and can be applied to the classroom teaching?**

It was a great learning for me as a Physics teacher .

I liked the following topics during the workshop

- Lecture by Dr. Praveen Pathak on setting right kind of Physics Questions . This session would help me in framing Physics Questions for my students.
- Hands on session related to Experimental Physics organized by Mr. Shirish R. Pathre ; a pioneer in Experimental Physics .
- Demonstration of Concepts like Diffraction Pattern , Heating devices etc using low cost Physics Apparatuses developed by HBCSE .
- Prof. Anwesh Mazumdar's orientation related to “ Physics Olympiad Examinations “ was very useful .

**4. How will you implement the knowledge & techniques acquired to your subject?**

I would like to orient and motivate students of class IX to XII through presentation about Physics Olympiad examinations ie NSEP , NSEJS and its international counterparts. A group of students who are already preparing for engineering entrance exams can be made from IX to XII classes and they will and should be guided towards registration for above mentioned exams which usually takes place in the month of November each year .

Secondly , I would like to share my experience of Experimental Session with my colleagues and students and plan my Practical period lesson using knowledge gained through the workshop .

**5. Comments and suggestions (How do you think the workshop/Seminar could have been made more effective?)**

Though the workshop was very informative and enriching but it was more like a CRASH COURSE . Concepts like that of Experimental Physics and Olympiad questions were taken up very fast .

**6. Was the advance briefing about the workshop/Seminar appropriate?**

Yes

<b>GENERAL FEEDBACK</b>	<b>YES</b>	<b>NO</b>	<b>NOT SURE</b>
<ul style="list-style-type: none"><li>• <b>The workshop/Seminar was applicable to my job</b> Yes</li></ul>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"><li>• <b>I will recommend this workshop/Seminar for other faculty members.</b> Yes</li></ul>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"><li>• <b>The program was well paced within the allotted time</b> Though well Placed but fast</li></ul>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"><li>• <b>The material was presented in an organized manner</b> Yes</li></ul>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"><li>• <b>The resource person was a good communicator</b> Yes</li></ul>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- **The resource person was knowledgeable on the topic**

Yes

- **I would be interested in attending a follow-up, more advanced workshop / Seminar on this same subject**

Very Much Interested

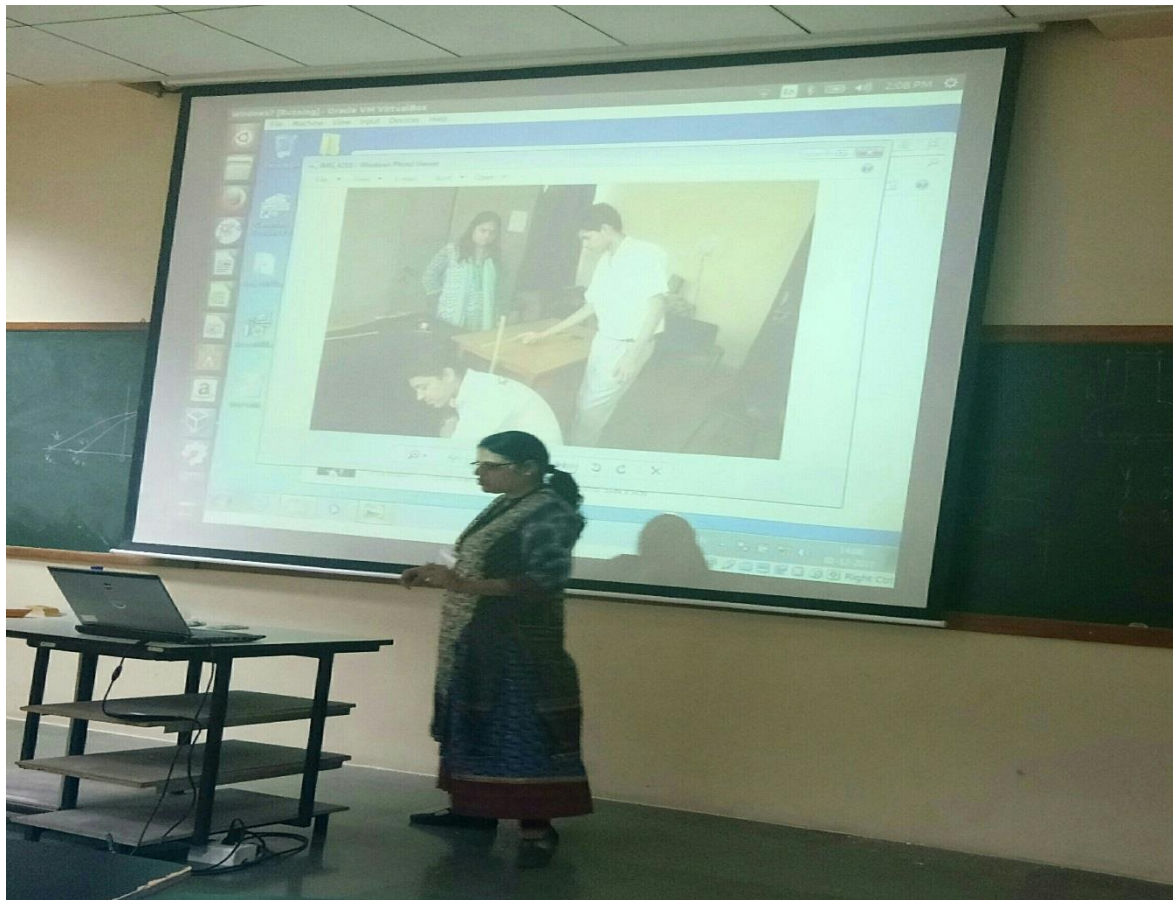
- **I will be able to conduct follow up workshop for the benefit of fellow Staff Members**

Yes

### **GLIMPSES FROM THE WORKSHOP (Photographs with captions)**



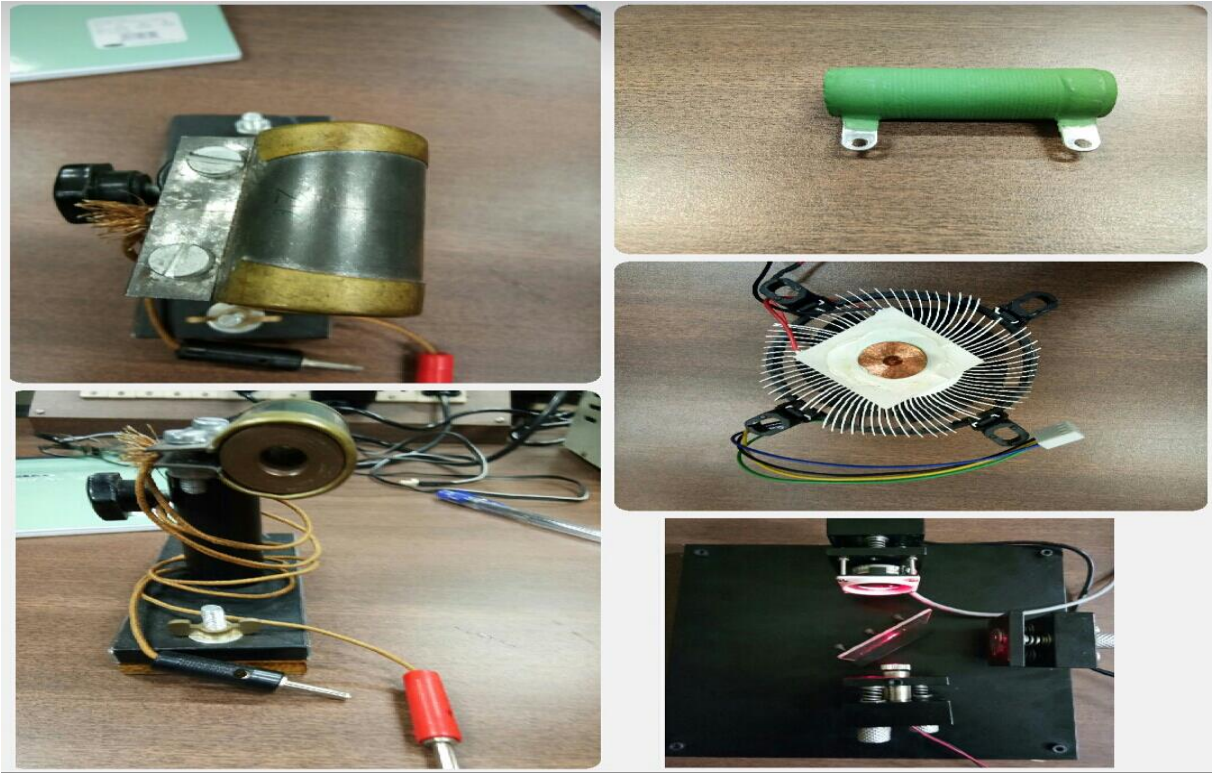
**Hbese Faculty and Participants of Physics Exposure camp.**



**Presentation On Tech based Physics Lab**



**Team of Physics teachers with Our Mentors : Respected Mr. Suraj Prakash and Prof. Vijay Singh**



## Low Cost Physics Lab Equipments

**Report submitted by**

**Name : Rani Vaid**

**Designation : PGT ( Physics )**

**Bal Bharati Public School , Noida**