



## Science Academies' Refresher Course in 'Experimental Physics'

*organized by*

**Department of Physics, Vallabh Government College, Mandi, H.P.  
18 April to 3 May 2022**

A Refresher Course in Experimental Physics is going to be held at Vallabh Government College, Mandi, Himachal Pradesh, from 18 April to 3 May 2022 for the benefit of faculty involved in teaching undergraduate and postgraduate courses. The Course aims to familiarize the teachers with a set of new experiments developed as a low-cost kit by the Indian Academy of Sciences to cater to the undergraduate and postgraduate levels. All the experiments verify physical laws and principles and yield reasonably accurate results. Professor R. Srinivasan, a distinguished physicist, who has devised these experiments for the benefit of physics teachers and students in Indian universities, has designed this Course. The Course comprising lectures, discussions and laboratory sessions will help participants to sharpen their skills in experimental physics and enable them to introduce the experiments in their respective curricula. These experiments are related to mechanics, heat, electricity, magnetism, relaxation, phase sensitive detection technique and non-linear dynamics. This Course is jointly sponsored by the Indian Academy of Sciences, Bengaluru, Indian National Science Academy, New Delhi and The National Academy of Sciences, India, Prayagraj.

Refresher courses in Experimental Physics held so far have been highly successful and the experiments have been included in about 150 institutions including universities, autonomous colleges, and advanced science institutions involved in education. Over 1800 participants have been trained so far and more than 250 kits have been sold. The course will be directed by Dr Manish Dev Sharma, Department of Physics, Panjab University Chandigarh, and coordinated by Dr Vikas Thakur, Department of Physics, Vallabh Govt College, Mandi.

Applications are invited from teachers with experience in teaching undergraduate and postgraduate courses in Engineering and Physics. Motivated students of B.Sc. and M.Sc. Physics courses with keen interest in Experimental Physics may also apply. The number of seats will be about 35. It may be noted that UGC regulations include Refresher Courses in API scores for career advancement. Selected participants will be provided with travel assistance (limited to three-tier AC train fare), accommodation and local hospitality during the Course in addition to course material.

Interested applicants must submit their application ONLINE by clicking on the following link  
<https://web-japps.ias.ac.in:8443/Refreshcourse/ZEXP.jsp>

A copy of the application form signed by the applicant should also be sent by post to the Course Coordinator, at the address provided below. In case of teachers, the form must also be signed and stamped by the Head of the applicant's Institution stating that leave will be sanctioned if the applicant is selected for the Course. A recommendation letter from a teacher is essential for student applicants. Scanned copies of the duly signed documents sent by e-mail will also be accepted.

Address for communication: **Dr Vikas Thakur**, Course Coordinator, Refresher Course in Experimental Physics, Department of Physics, Vallabh Government College, Mandi 175 001, H.P.  
e-mail: vikasthakur.u@gmail.com; Phone: +9182193 59919, 98733 51753.

Last date for the receipt of applications: **10 March 2022**

Selected participants will be informed by: **15 March 2022**