



Science Academies' Refresher Course in Experimental Physics

Sponsored by
INDIAN ACADEMY OF SCIENCES, BANGALORE
INDIAN NATIONAL SCIENCE ACADEMY, NEW DELHI
and
THE NATIONAL ACADEMY OF SCIENCES, INDIA, ALLAHABAD

at



Department of Physics, Goa University

A Refresher Course in Experimental Physics will be held at the Department of Physics, Goa University, Goa from 12 to 27 May 2014 for the benefit of faculty involved in teaching undergraduate and postgraduate courses. Participants in this Course will gain hands-on experience with about twenty five out of forty experiments, with a low cost kit developed for the Indian Academy of Sciences, and manufactured by Ajay Sensors and Instruments in Bangalore. These experiments are in (a) mechanics, (b) heat, (c) electricity, both DC and AC, (d) magnetism, (e) relaxation, (f) phase-sensitive detection technique and (g) non-linear dynamics.

Refresher courses in Experimental Physics held so far have been highly successful and the experiments have been included in 80 institutions including universities, autonomous colleges and advanced scientific institutions involved in education. Over 1200 participants have been trained so far and more than a hundred kits have been sold. UGC has approved two-week Refresher Courses of good standing for promotion of teachers, vide notification – F3-1/2009 dated 30 June 2010.

Applications are invited from teachers with experience in teaching undergraduate and postgraduate courses in Engineering and Physics. Motivated students of III B.Sc. and M.Sc. Physics courses with keen interest in Experimental Physics may also apply. The number of seats will be about 30. 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

<http://web-japps.ias.ac.in:8080/Refreshcourse/GUEP.jsp>

A copy of the application form signed by the applicant should also be sent by Post to **The Course Coordinator**. 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.

Applications may be sent to: **Dr K. R. Priolkar**, Course Coordinator, Refresher Course in Experimental Physics, Department of Physics, Goa University, Taleigao Plateau, Goa 403 206.
Phone: +91-832 651 9340; e-mail: krp@unigoa.ac.in.

Last date for receipt of applications: **28 February 2014**

Selected participants will be informed by: **12 March 2014**