



Science Academies' Sixtieth 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
Government College (A), Rajahmundry

The sixtieth Course will be held from 27 May to 11 June 2014 at the Government College, Rajahmundry. Participants in this Course will get hands-on experience in doing experiments with a kit designed by Professor R. Srinivasan (Course Director) and manufactured by Ajay Sensors and Instruments, Bangalore. These experiments are in (a) mechanics; (b) heat; (c) electricity; (d) AC; (e) AC bridge; (f) capacitance circuit; (g) magnetism; (h) relaxation; (i) lock-in amplifier; (j) nonlinear dynamics and (k) phase transitions. While some of these experiments are at the B.Sc. level, others are at the M.Sc. level.

This Course has been very successful and the experiments are included in the curricula of about 80 institutions, including 25 universities, some IITs, IISERs and other autonomous institutions. More than hundred kits have been sold and are in use. Every experiment illustrates a physical principle or verifies a physical law.

Faculty members from colleges, teaching B.Sc. or M.Sc. Physics courses or B.Tech. courses in Engineering may apply. A few students studying M.Sc. I year or B.Sc. III year in Physics may also apply. Total number of participants will be restricted to 30. Participants should send their applications through the Head of the Institution who should certify that the participant will be given leave if selected for the Course.

Selected participants will be intimated by e-mail around **15 March 2014**. They will be paid the actual to and fro train fare not exceeding three-tier AC fare. Boarding and lodging will be arranged by the organizing institution for outstation participants.

Participants are requested to send in their application with a detailed CV, and the reason for attending the Course through the Head of the Institution to

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Last date for receiving application: **1 March 2014**