

[National Initiative on Undergraduate Science (NIUS) Physics Programme]

Announces

Summer Course in Experimental Physics 2016

[for Second Year Undergraduate Physics Students]

(May 9 - 20, 2016)

Summer Course in Experimental Physics (SCEP) is designed as an enrichment course and is based on “**Experimental Problem Solving**” approach for undergraduate students. During this course students will be mentored by a team of facilitators and encouraged to carry out independent experimental work on a set of ‘experimental problems’ in Physics. The course aims at strengthening conceptual understanding, procedural understanding, experimental problem solving ability and experimental skills in students. The course will be held at HBCSE, Mankhurd, Mumbai, India, during May 9 - 20, 2016. SECOND YEAR undergraduate students from any college, university or institution can apply. All the participants will stay at HBCSE campus and work in the NIUS and Olympiad physics training laboratories. No registration fee will be charged from any participant. All the participants will be eligible for a shared accommodation in the NIUS hostel/guest house in the HBCSE campus and financial support for their travel (by 3 tier AC) and stay.

Applications are invited for ‘Summer Course in Experimental Physics (SCEP) 2016’ from SECOND YEAR UNDERGRADUATE students who are pursuing i) 3 year BSc or BSc(H) ii) 4 year BS and iii) 5 year MS or MSc (integrated) and who will complete 2 years / 4 semesters of their undergraduate course by May 2016. Applicants should have scored at least 55% marks or equivalent grades in their Class X, Class XII and first, second and third – year or semester examination of their undergraduate course. Students who have chosen Physics as a major subject and would like to continue Physics as a major subject should apply.

An application form, confidential assessment form and the criteria for selection (as .pdf files) are available in the following links. Students should download and print the forms.

[Click here to download the APPLICATION FORM \(SCEP 2016\)](#)

[Click here to download the CONFIDENTIAL ASSESSMENT FORM \(SCEP 2016\)](#)

[Click here to download the Criteria for Selection \(SCEP 2016\)](#)

Checklist for Application (Hard copy only, No Email applications):

1. Application form or its equivalent (on plain paper), duly filled.
2. Self attested photocopies of your Std. X, XII, first, second and third year/semester mark sheets of your undergraduate course.
3. THREE duly filled confidential assessment forms from three teachers whom you had an classroom/lab/project interaction during last two years. Send them in individually sealed and signed (by the teachers) envelopes along with your application.
4. Bonafide certificate of affiliation as a second year/fourth semester student from your college/institute.
5. A 400 word write up to state and justify your interest in experimental physics and your career objectives and goals.
6. Two envelopes (without postage stamps) of size about 10 cm × 25 cm with your complete postal address with PIN code, which will be used to send you the selection letter.

Last date for receipt of applications is March 1, 2016. Send your completed application consisting of all the above mentioned documents to the following address so as to reach HBCSE, Mumbai on or before March 1, 2016. Please write clearly “SCEP 2016” on the envelope.

Dr. Rajesh B. Khaparde

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The list of selected students will be made available on the HBCSE website by April 1, 2016 and a letter will be sent to every applicant by April 10, 2016.