Cluster Level CPEx 2025-26

IAPT (RC – 07) conducts many programs for students and teachers throughout the year; one of them is Competition for Physics experiments (CPEx). Initially, it is held at the cluster levels and then there is a state level final. The competition is held separately in three categories for students:

(i) for the students studying in standard 9 to 12 (science stream)
(ii) for UG students
(iii) for PG students as well as for those who are doing research.

High School Teachers, College/University Faculty, Tutors of Community Science Centres and Science Communicators can participate in the teacher's category.

CPEx 2025-26 for the South Gujarat Cluster, i.e, Cluster C-2, will be held on 24th December, 2025 at 02:30 pm in the Department of Physics, Sir P. T. Sarvajanik College of Science, Surat.

The rules of the competition are:

1. There can be maximum of two participants per team.
2. There is no restriction on number of teams per college/institute.
3. There is no registration fee for the competition, but it is mandatory to get registered in time.
4. The participants have to register via the link: https://forms.gle/WXWJRTJiB6Lv9fdT8

Those who want to participate CPEx 2025-26 should get their names registered through the following link by 22nd December, 2025. The participants will have to remain present on 24th December, 2025 at 02:00 pm with their college/ institute's identity cards.

The interested faculty members are also invited to remain present and motivate the participants.

Thank you.

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INDIAN ASSOCIATION OF PHYSICS TEACHERS

IAPT RC – 07 (Gujarat, Daman & Div)

Announcement of CPEx 2025-26

About CPEx:

Competition of Physics Experiments (CPEx) has been one of the flagship programs of IAPT RC – 07. It began in 2017 and it has proved to be one of the regular events of IAPT RC – 07 since then, barring for two years, 2020 and 2021 due to Covid pandemic.

For the preliminary round of this competition, the Regional Council – 07 is divided into ten clusters and Coordinators are appointed for each cluster who will plan to organize the competition initially at the Cluster Level. The Cluster Level Competitions will commence when the schools/colleges reopen after the Diwali Vacation, 2025 and will be over before the end of December, 2025 as per the convenience of the Cluster region. The winners at the Cluster Level Competition will qualify for the State Level Final.

Aim:

Through this competition, the IAPT RC – 07 provides a platform to the students as well as the teachers for presenting their Innovative Experimental Skills at the state level. It will prove to be a stepping stone for them for the National Level Competitions such as NCIEP and NCICP.

Who can participate?

The competition is held separately for both students and teachers.
For students studying in Schools/Colleges/Institutes/Universities in the RC – 07 region, the competition will be held in three categories: (i) school students studying in standard 9 to 12, (ii) UG students and (iii) PG students and research scholars.
High School Teachers, College/University Faculty, Tutors of Community Science Centres of RC – 07 and Science Communicators serving in the RC – 07 region can participate in the teacher's category.

Guidelines:

- This is not a usual Science Exhibition or Model Presentation Competition. It is a competition on performing a real-time Physics experiment, somewhat like a practical examination. However, it involves some innovative elements.
- It is an individual or a team event of maximum two participants per team.
- Each team (of maximum two participants) has to bring the required instruments at the competition venue and completely perform the experiment, i.e., record observations, do the needed calculations, find the result and draw conclusions.
- Innovativeness in the experiments is the key in this competition.
- Originality of the experiment is what is expected from the participants.

- The use of computers for data acquisition and display is not allowed. Innovation rather than sophistication is desired.
- Two experts will take a round during the competition to assess the students by asking questions to test their basic understanding about their presentation.
- Experts can have their evaluation scheme, to give marks out of 100 to a team.
- THE EXPERTS' DECISION SHALL BE FINAL.
- The participant need not be an IAPT member.

Format for submitting the details of the entry:

1. Title of the experiment
2. Abstract of the experiment
3. Aim of the experiment
4. Concepts covered in the experiment
5. Innovative features of the experiment
6. Description of the innovative experiment with necessary diagrams providing following details:
   a. Theory of the experiment
   b. Experimental procedure
   c. Observations
   d. Calculations and graphs
   e. Results and conclusions
   f. Cost effectiveness and usability of the experiment
7. Write up should be submitted as a word document
8. Each page should be numbered at the bottom. There is no restriction on number of pages of the text
9. Attach a Summary Sheet having following details:
   a. Name of the experiment
   b. Abstract of the experiment
   c. Name of the participant(s)
   d. Name of the institute/college/school
   e. Institutional affiliation
   f. Address for correspondence
   g. Mobile number
   h. Email address

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