

LEPTON : Learning Physics through Nature.

This will be a local Anveshika program in which the Anveshika coordinator along with his team will conduct offline sessions in various institutions (schools and colleges) of their regions. Student groups from class 9 and above in the school (B.Sc and M.Sc students in colleges) will be targeted in such sessions. During these sessions, quizzes will be conducted and top performers will be identified. After the quiz, the questions can be discussed with the students to explain the concepts involved.

The Lepton program can be conducted many times in nearby institutions. A complete data of the participating students which includes their name, class, school, email-id and contact no. will be maintained for each such program. The institution in which the program is being held can help in this by assigning a NAEST coordinator. The coordinator will float a form (created centrally) to the students who will attend the program asking for the above-mentioned details. On the day of the program in that institution, attendance of the students can be taken based on the collected data. Provision of immediate filling of data for last minute entries will be allowed.

Excel files of such data created for each such program must be uploaded directly on the LEPTON website which will be created solely for this purpose. The website will have 30 different buttons corresponding to each of the 30 Anveshikas. Each Anveshika coordinator will have access to upload the details of their Lepton programs only at their assigned place. If an Anveshika conducts 10 such programs at various dates, the coordinator will upload 10 excel files corresponding to each program under their Anveshika. The file should be uploaded within 3 days of the conduction of the program. Also, the paper used for that program must be uploaded on the LEPTON website.

During the Lepton program, the quiz will be conducted based on the videos shown on the screen and the students will mark their answers on a sheet of paper shared. These papers will be collected and evaluated by the resource person after the program has finished. Discussion of the quiz can be done after collecting the papers. Some bright students can be identified in the discussion also. Each Anveshika coordinator will identify 1% of the top performers from the LEPTON programs. These students will be eligible for direct entry in the online prelim round of NAEST. An Anveshika should conduct the program for at least 100 students for one student to be eligible for the online prelim round of NAEST 24.

The rest of the students can be registered for NAEST 24.

Anveshika coordinators can also devise their own ways to conduct the program where they can evaluate and identify top performers.

Benefits from LEPTON

This is an opportunity for

- A. promoting NAEST throughout the year
- B. building rapport with institutions at a personal level and not just forwarding NAEST Posters.

- C. designating School/College NAEST Coordinators - **INC - Institution NAEST Coordinator.**
- D. allotting **Permanent institution Code- PIC** to such institutions will help in enhancing registration and participation not only for this year but into the future as well.

FAQs for LEPTON

1. **Who can participate?** All NAEST eligible students (School-class 9 to 12, College- B.Sc and M.Sc)
2. **Benefit to Participants?** Direct entry to top 1% performers in NAEST Prelims.
3. **What about students who are left?** These students can register for NAEST-24. Also, they can be registered centrally based on the data collected.
4. **How to Register for LEPTON?** Students will fill the Google form with the help of the teacher in charge of coordinating the program for that institution. The Anveshika Coordinator will share the form with the teacher in charge.
5. **Where can you organize such programs?** In schools or colleges of the nearby regions where that local Anveshika is active.
6. **Where to get Question Papers and Videos for LEPTON?** Create papers based on previous year question papers and videos available on the LEPTON website.