



A REPORT ON

IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS (IAPT NSSP2013-2019)

**DEPARTMENT OF PHYSICS,
PANJAB UNIVERSITY, CHANDIGARH**

Indian Association of Physics Teachers (IAPT) was established in 1984 by dedicated Physics teacher and visionary (Late) Dr. D.P. Khandelwal with active support from like-minded fellows with the aim of upgrading the quality of Physics teaching at all levels in the country. Since then, IAPT has now grown into a major organisation with about 6500 life members spread all over about 1500 organisations throughout the country including about 100 members from abroad.

There are various activities conducted by IAPT which include the Publication of Bulletin and various journals like the Journal of Physics Education, Prayas, etc. Other activities include conducting national-level examinations like NSEP, NGPE, etc. IAPT has also set up Anveshikas (Experimental Physics Centers) for encouraging students till 12th standard to undertake classroom teaching through demonstrations. IAPT also conducts various Orientation Programs, Seminars, and Workshops for Teachers in both, theoretical and Experimental Physics. Several such programs have been carried out with support from MHRD, Infosys Foundation, and other such agencies. 3-day National Conventions are also being organised every year, since 1984 on some specific theme. Papers are presented by members and lectures are delivered by experts in the field.

Department of Physics, Panjab University is a well-reputed name in the Physics Community. It was also accorded the status of Centre of Advanced Study (CAS) by UGC. The department participates in various national and international research initiatives and also hosts various conferences, seminars, meetings, etc. of research interest regularly. The department houses the Indian Association of Physics Teachers (IAPT) office and actively leads in IAPT and Indian Physics Association (IPA) activities.

In 2013, a new activity named NATIONAL STUDENT SYMPOSIUM ON PHYSICS (NSSP) was proposed and successfully conducted for the first time at the Department of Physics, Panjab University. It was only due to the great efforts of IAPT, National Advisory Committee, National Organising Committee, Local Organising Committee, and all of the Participating Students. Since then, this program was conducted every year at the Department of Physics, Panjab University, Chandigarh till 2019 as the program was put on hold in 2020 due to Covid-19 and was resumed in 2021 in Bangalore.

- This project was envisaged by Prof. S.D. Mahanti, Prof. L Satpathy, Prof. U.S. Kushwaha, Prof. Satya Prakash, Prof. Manjit Kaur and well supported by IAPT fraternity, Dept. of Physics, Panjab University and various funding agencies, through these years.
- Link to a short summary of year wise NSSP report and all booklet for each year in a separate folder can be found [HERE](#)

EPILOGUE

By now, we are all clear that This Program was a great success for IAPT as well as the Department of Physics, Panjab University, Chandigarh. Not only did it promote Scientific culture, but it also gave students a great opportunity to present their research work on a national level. The Program proved itself as a great tool for students to network with like-minded peers and receive guidance from some of the best researchers in the world. Some of the presentations were also selected to be published in IAPT's Student Journal of Physics as well.

At the Department of Physics, Panjab University, this program was conducted on a yearly basis for 7 continuous years till 2019 as it was cancelled in 2020 due to Covid-19 and was resumed in 2021 at Bangalore. This Program was also supported by the Department of Science and Technology (DST), Chandigarh Administration. The fact that this Program was born at the Department of Physics, Panjab University in 2013 and in these 7 years, it reached great heights and received national level recognition was all made possible due to the passion, hard work, and dedication of Members of IAPT, National Advisory Committee, National Organising Committee, Local Organising Committee and participation of hundreds of enthusiastic and self-motivated Students.

Department of Physics, Panjab University, Chandigarh would like to thank IAPT for such great collaboration and opportunity and would be very happy to conduct this Program in future.