

# Indian Association of Physics Teachers

(Registered under section XXI of Societies Act 1860, Reg No. K - 1448)

Registered office: Flat No. 206, Adarsh Complex, Awasthika - 1  
Keshavpuram, Kalyanpur, Kanpur - 208017

## 8<sup>th</sup> IAPT National Student Symposium on Physics

*Organized by*

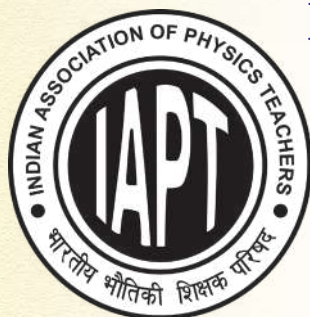
**Regional Councils - RC 12 & 12 A**

and

**Department of Physics**

**INDIAN ACADEMY**

Degree College - Autonomous, Bengaluru



**November 12 - 14, 2021**

## **D P Khandelwal Birth Centenary Year**

In recent years, our country has taken a series of measures to induce the spirit of innovation and creativity into our Education system. Projects and dissertations have become an integral part of UG and PG curricula as per the new National Education Policy. To foster a culture of innovation and creativity among the young students, IAPT has instituted the annual National Student Symposium on Physics (NSSP) exclusively for the UG and PG students. The Symposium provides National forum to young students to present their new ideas and innovative work at an early stage of academic career. The yearly series started in 2013 in collaboration with the Department of Physics, Panjab University, Chandigarh. Eighth in the series, NSSP - 2021 will be held during November 12 - 14, 2021.

The format of the symposium consists of invited talks by Subject Experts, Oral and Poster Presentations by the Students and a visit to Research Laboratories.

The undergraduate and postgraduate students with Physics background can apply for the symposium latest by September 15, 2021. The Registration fee of Rs. 850/- for outstation students (includes hospitality and accommodation) and Rs. 500/- only for local students (excluding accommodation). The selected papers will be communicated by September 25, 2021 through our Website. Travel support (bus or sleeper class by train) will be provided to the selected papers (for one person per paper only). Application form and other details are available at the website [www.indianacademy.edu.in](http://www.indianacademy.edu.in)



**MORE  
INFO**

For more information, contact

Dr. P. Nagaraju, Convenor, NSSP – 2021(M) 7019976835

Prof. B.S. Achutha, Coconvenor, NSSP – 2021 (M) 9945455277

Email: nssp21blr@gmail.com

**Venue:** Indian Academy Degree College -Autonomous, Hennur Main Road, Bengaluru - 560 043, Karnataka.

**ABOUT IAPT:** A voluntary organization of Physics Teachers, Scientists, Professionals and other interested in physics (science) education in the country. Indian Association of Physics Teachers (IAPT) was established in 1984 by dedicated physics teachers and visionary (Late) Dr. D.P. Khandelwal with active support from likeminded members with the aim of upgrading quality of physics teaching - learning at all level in the country. The Association operates through its 22 Regional Councils (RCs) grouped into 5 zones. There is a central Executive Council (EC) which coordinates all its activities.

**The following are some of the important activities of IAPT**

### **Publications**

**Bulletin of IAPT** – A monthly journal (40 pages) with the record of uninterrupted publication since 1984.

**Journal of Physics Education** – The IAPT has taken over the publication of this quarterly (previously published by UGC) publication since April 2001.

**Student Journal of Physics** – An International Edition (Earlier name -Prayas) – A quarterly journal carries out articles and research reports by UG/PG students.

**Pragami Tarangand Horizons of Physics** – Is a book series brought out for physics teachers and students.

### **Examinations for students**

**National Standard Examinations** : NSE (NSEP, NSEC, NSEB, NSEJS, NSEA) – These examinations are conducted for +2 level students / higher secondary students every year since 1987. National Standard Examinations are held at 3 levels. These examinations constitute the first step towards participation in International Olympiads in respective subjects.

**NGPE (National Graduate Physics Examination):** This is conducted for Undergraduate level students every year. Gold medalists of NGPE, may join DAE directly through interview without appearing in the entrance test. S N Bose National Centre for Basic Sciences, Kolkata allows direct admission to toppers in NGPE after an interview for integrated Ph.D.,programme. 5 Scholarships have been instituted to encourage students to take up Physics as a career.

**Extra Low** - Cost Book (ELCB) programme - The aim is to help teachers build up their personal libraries.

### **For Teachers**

NCIEP (National Competition for Innovative Experiments in Physics), NCICP (National Competition in Computational Physics) and Orientation Programmes / Seminars / Workshops / IAPT Dinabandhu Sahu Memorial Award: Awarded to Undergraduate Physics Teaching full time teacher as per UGC guidelines.

NCEWP (National Competition for Essay Writing in Physics) for both Teachers and Students

NANI (National Anveshika Network of India): This provides a base for generating interest in Experimental Physics in students. There are about 22 centres and some more are in the offing.

CSC (Centre for Scientific Culture): The Centre established at Midnapore, WB, provides a year round exclusive facility of working experiments in Physics.

**Conventions:** A 3-day National Convention is organised every year, since 1984 on some specific theme. Papers are presented by members and lectures are delivered by experts in the field.

**ABOUT Indian Academy Degree College - Autonomous:** Indian Academy Degree College-(IADC) was founded in the year 1994 with the vision to establish top notch educational institution to serve diverse educational needs of the society. Currently the institution has student strength of more than 3000. Indian Academy degree College became Autonomous from the academic year 2016-17. The College is reaccredited by NAAC, with 'A' grade and CGPA of 3.27. The College is also certified by TUV Rhineland ISO 9001:2008 and is recognized by UGC under the category 2(f) and 12(B). An important feature of Indian Academy Degree College-Autonomous (IADCA) is that it is always student centric in academic design and delivery, besides

giving a wide academic flexibility to the students. Many co-curricular and extracurricular activities have given impetus for the all round growth and development of students. Research initiatives and skill development programmes continue to help in student's academic progression and employment opportunities.

The College offers under graduate courses in Sciences (with different combinations), Commerce and Management studies, Computer science, Arts and Tourism studies.

It also offers M.Sc., (Applied Genetics, Biochemistry, Biotechnology, Chemistry, Computer Science, Mathematics, Microbiology, Physics), M.A (Economics, English), M.Com (Financial Analysis, International Business) and Master of Tourism Administration. There is also a School of Management Studies (MBA-Programme), College of Nursing and a Pre-University College run by the Indian Academy Education Trust. The Colleges have very good infrastructure, well qualified faculty, excellent laboratories and a good collection of Library books and journals. The College has good academic record in obtaining ranks and distinction in the Bengaluru University Examinations.

### Important Dates

- Symposium Date **November 12–14, 2021** (Friday to Sunday)
- Last Date for Submission of Abstracts **September 15, 2021**
- Notification of acceptance of Abstracts **September 25, 2021**
- Last Date for Submission of full Length paper /Registration **October 20, 2021**

### Guidelines for Submission

The soft copy of the paper in MS-Word should be sent to the Email- [nssp21blr@gmail.com](mailto:nssp21blr@gmail.com)

### Paper Specification

Maximum Length	Extended Abstract about 2 pages
Margin	1" All sides
Font size & linespacing	Times New Roman-12, Justified & 1.5
Title Page	Title, Author, Affiliation, Contact Details, email, Phone number
Full length of the Paper	About 6 pages including diagrams, tables, conclusion & references.

If paper is accepted, the paper will be published in student journal of Physics - International Edition, ISSN 2319-3166.

### Payment Mode

The Registration fee can be paid through online. The details of the IAPT RC 12 A are as follows;



Name of The Account Holder	IAPT RC 12
Account Number	04752010003124
Name of The Bank	CANARA BANK
Branch Name	Malleshwaram, Bangalore-560 055
Type of Bank Account	SB
IFS Code	CNRB0010424
MICR Code	560015232



National Advisory Committee	National Organising Committee	Local Organising Committee
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G Venkatesh Former Vice-President and Ex Chief Co-ordinator of Exam IAPT	K P Ramesh Dept, of Physics IISc., Bengaluru	C B Gandhigudi E C Member, RC 12 A Bengaluru

National Advisory Committee	National Organising Committee	Local Organising Committee
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L Satpathy Chief Editor, Student Journal of Physics	Ramakrishna Secretary, RC 22, Telangana	Kusuma Kamath Member, RC 12 A, Mangalore
S C Samanta Co ordinator Centre for Scientific Culture, Midnapur	K Madhu Secretary, RC 14, Kerala	T Shivalingaswamy Former Vice-President RC 12 A, Mandya
H R Naren (Netherland)	S Sanyasiraju EC Member, RC 11, Andra Pradesh	Thipperudrappa Chairman Dept. of Physics, VSKD University

## REGISTRATION FORM

The Participants can register in advance by sending this registration form.

Name: .....

Class, University/College: .....

Address for correspondence: .....

Mobile No: ..... E- mail: .....

Tick One: I would like to

i)  make ORAL presentation at the Symposium

ii)  make POSTER presentation at the symposium

iii)  only attend the symposium as participant

Participation category

i)  Outstation Student      ii)  Local Student

I need travel support       YES       NO      Accommodation required  YES       NO

Did you attend earlier NSSP (If yes, mention year/s) .....

Registration Fee - Online Payment Transaction ID .....

### ATTESTATION

This is to certify that Mr./Ms. ....

is a Bonafide student of ..... class of .....

..... Department/College/Institution.

Signature of the Participant

Signature of the Head of the Department/Principal with seal

Date:

Place:

*NB: Additional copies of Registration form may be photocopied if required*

