

Activity

Annex - 23(a)

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Department of Physics



Prof. Shripal Professor



Dr. Renuka Arora Associate Professor



Dr. Satish Chandra Associate Professor



Dr. D. K. Pandey Associate Professor



Mr. Rishabh Gupta Assistant Professor

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About Our College

Pt. Prithi Nath (PG) College, also known as P. P. N. College, is a prestigious postgraduate educational institution located in Kanpur, Uttar Pradesh, India. It has a rich history, dating back to the mid-twentieth century, of providing quality education to students in various disciplines.

The college is proud of imparting the best education in 19 Undergraduate and 13 Postgraduate subjects in Languages, Science, Humanities, Social Sciences, Business Administration, and Computer Applications.



President

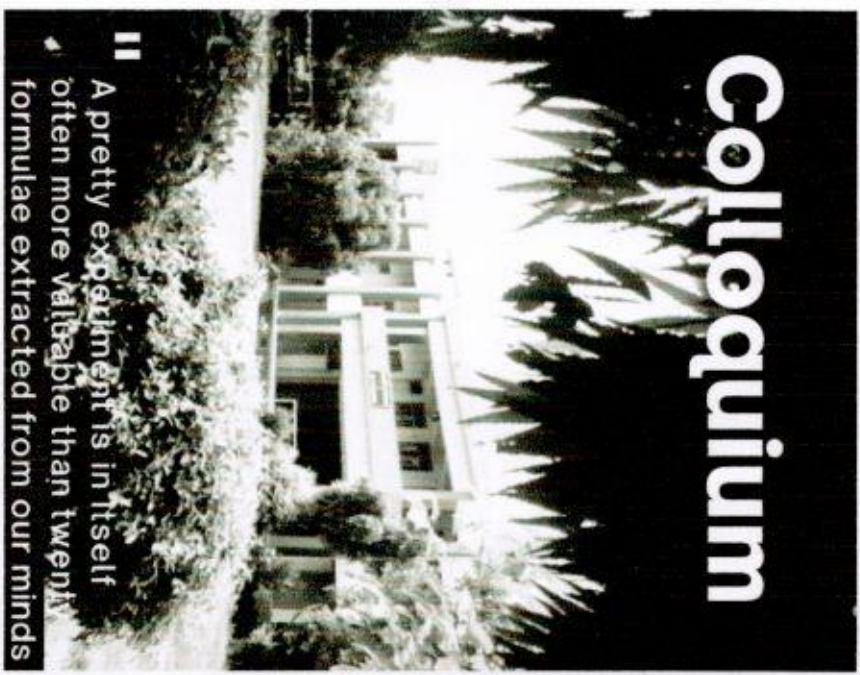
Mr. Yogendra Swarup



Principal

Prof. Anoop Kumar Singh

Colloquium



" A pretty experiment is in itself often more valuable than twenty formulae extracted from our minds "

December 06 - 08, 2023

B.S. Hazele Auditorium, P.P.N. PG. College

NEP 2020

New Era of Experiments

Department of Physics
Pt. Prithi Nath (PG) College
Kanpur, UP, INDIA

Colloquium

NEP 2020

NEW ERA OF EXPERIMENTS

Our Eminent Speakers

Dec 06, 2023 at 01:00 pm



Mr. Ibrahim Mirza

Department of Physics & Astronomy, The University of Tennessee, USA

Dec 07, 2023 at 01:00 pm



Prof. Pankaj Jain

Department of Physics
Indian Institute of Technology
Kanpur

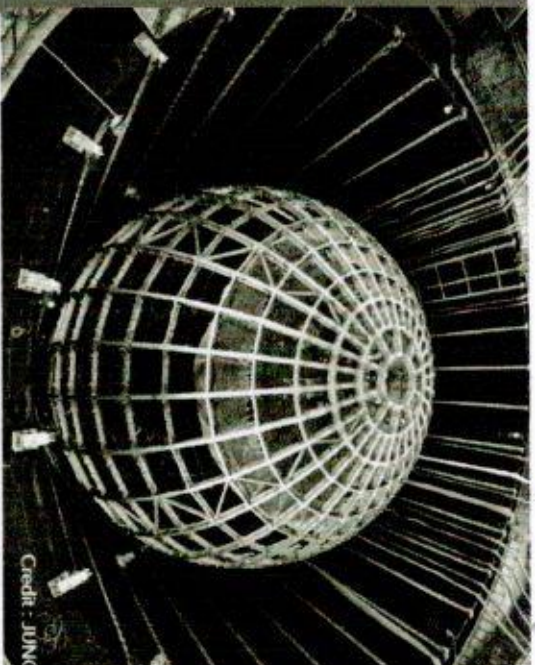
Dec 08, 2023 at 01:00 pm



Prof. H. C. Verma

Department of Physics
Indian Institute of Technology
Kanpur

Department of Physics
Pt. Prithi Nath (PG) College
Kanpur



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Neutrino Experiments in a Nutshell

Neutrino are the second most abundant known matter particles in the Universe. Neutrino interact only via weak force, this makes them harder to detect. Until today we know very little about neutrinos.

The talk will provide introductory aspects of the current and future experiments exploring neutrinos produced by different sources.

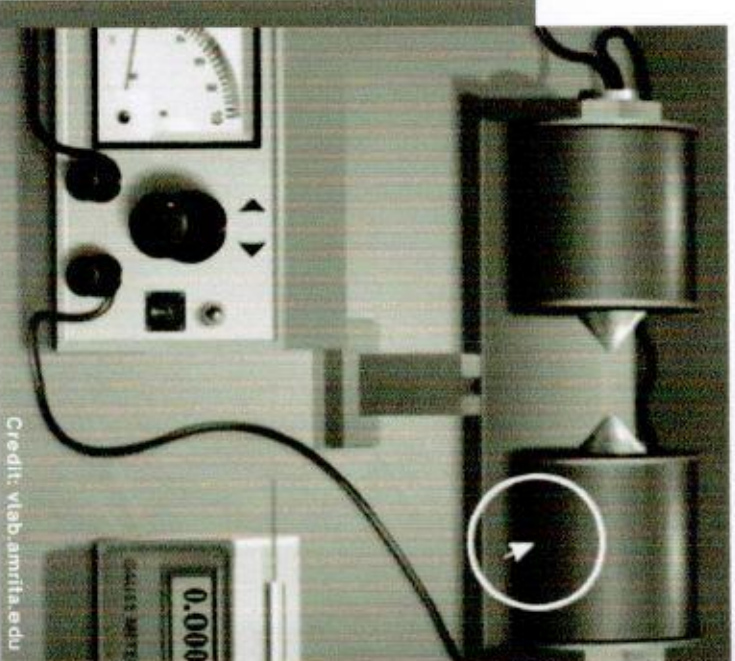
INVITED LECTURES ON

1. Neutrino Experiments in a Nutshell
- Mr. Ibrahim Mirza
2. Skill Development through Virtual Lab
- Prof. Pankaj Jain
3. Learning Physics through Simple Experiments
- Prof. H. C. Verma

Learning Physics through Simple experiments: This covers some basic principles of Physics and describes them through few simple experiments.

Skill Development through Virtual Labs

Virtual Labs project is an initiative of Ministry of Human Resource Development (MHRD), Government of India under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a paradigm shift in ICT-based education. IIT Kanpur has developed six such virtual labs.



Credit: vlab.amrita.edu

Neutrino Experiments in a Nutshell

Activity

Annex- 23(A)

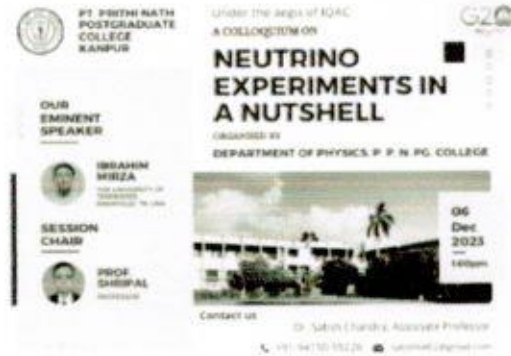
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December 06, 2023



Speaker

Mr. Ibrahim Mirza,
The University of
Tennessee, USA



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Est. 1959

December 06 - 08, 2023



Under
the aegis
of IQAC

Colloquium
on



NEP2020

New Era of Experiments



Neutrino
Experiments in a
Nutshell

06 Dec, 2023
01:00pm

Mr. Ibrahim Mirza
University of Tennessee USA



Skill
Development
with Virtual Labs

07 Dec, 2023
01:00pm

Prof. Pankaj Jain
IIT, Kanpur
Dr. Aparna Dixit
PSIT, Kanpur



Learning Physics
through Simple
experiments

08 Dec, 2023
01:00pm

Prof. H. C. Verma
IIT, Kanpur

Organised by

Department of Physics, Pt. Prithi Nath (PG) College, Kanpur

Skill Development with Virtual Lab

December 07, 2023



**Prof. Pankaj
Jain**
IIT, Kanpur



**Dr. Aparna
Dixit**
PSIT, Kanpur



Virtual Labs project is an initiative of Ministry of Human Resource Development (MHRD), Government of India under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a paradigm shift in ICT-based education. IIT Kanpur has developed six such virtual labs.

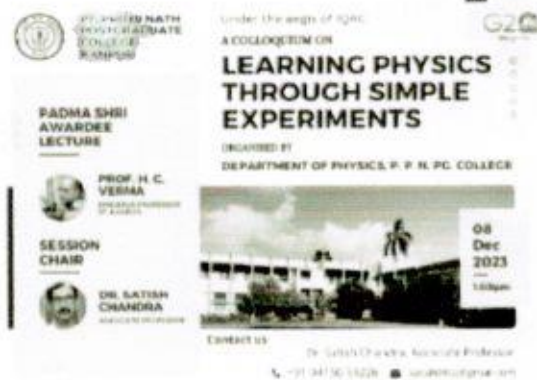




Padma Shree

Prof. H. C. Verma

IIT, Kanpur



Prof. Verma covers some basic principles of Physics and describes them through few simple experiments. It was quite an interactive session in which sometimes the phenomena was shown first, then in order to understand and analyze it, the theory was explained. In some cases it is the reverse. The discussion was roughly at UG first year level but the experiments could be an educative experience for students from grade 9 onwards. Most of these experiments throw some challenge to understand it, so even the well trained persons up to Postgraduate level will find it interesting!

