

# Lecture Series-I

## By Top Experts



**(2<sup>nd</sup> December, 2023)**

**(One Day)**



**Organized by  
Department of Physics**

**Under the aegis of**

**Research and Incubation Cell & IQAC**

**Neta Ji Subhash Chander Bose Memorial,  
Govt. PG College,  
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## **ABOUT OUR INSTITUTION**

Netaji Subhash Chander Bose Memorial Government College, Hamirpur (H.P.) came into existence in the year 1965, situated across SH – 39 at a distance of 2 kms. from the District Headquarter Hamirpur on Hamirpur-Sujanpur Road. The institution is a pioneer of higher education in the entire state, the motto of which is “Veerta aaur Balidaan”, i.e., “Bravery and Sacrifice”. The college stands for academic excellence, exemplary achievements in sports and cultural activities. It is an alma mater which all alumni look back to with fond memories. The college is affiliated to the Himachal Pradesh University Shimla u/s 2(f)&12(B) of UGC act and has been accredited B grade by NAAC in the year 2015. The college offers different undergraduate programmes in humanities, science and Commerce. Postgraduate Courses in Mathematics, English, Hindi, Economics and Commerce are also run by the college. The college also runs self-financing courses in BBA, BCA and PGDCA.

## **ABOUT THE DEPARTMENT**

The Department of Physics, NSCBM Govt. PG College, is one of Departments of the Institute. Within a span of two and half years of commencement of post graduate classes, the Department has targeted to explore the scientific knowledge among UG/PG students so that they can indulged into research and technology in future. The vision of Department is to build a rich intellectual potential embedded with inter-disciplinary knowledge, human values and professional ethics among the youth, aspirant of becoming Scientists, Engineers and Technologists, so that they contribute to society and create a niche for a successful career.

## GENERAL INFORMATION

The Research and Incubation Cell of the college initiating “The Lecture Series by Top Experts” from highly experienced faculty members of the reputed Institutes like IITs, Panjab University Chandigarh, Central Universities, NITs etc. Students of UG/PG courses are eligible to attend this lecture series. The programme is of interdisciplinary nature. Only limited numbers of seats are available. The interested UG/PG students need to apply on the email address of the coordinators (**Dr Virender Pratap Singh, Dr. Nirmal Singh**).

**There will be no registration fee for participants.**

## OBJECTIVE OF THE LECTURE SERIES

The basic objective of the LECTURE SERIES is to provide a platform for academicians, scientists, engineers and researchers to discuss the applications of Physics in Emerging Scenario related to Science and Technology in Basic Sciences & Applied Sciences. The deliberations of the series include the invited lectures by eminent Scientist/Scholars from India & abroad, technical educational institutions & colleges and the young researchers relevant to our vision. This will provide an in-depth analysis of the subject and update the knowledge of the participants from academic/research institutions. The lecture series will really motivate the students and will create an atmosphere of research and study in the subjects like Experimental Physics, Nuclear Physics, Computer Sciences and other Applied Sciences. We hope that the students as well as teachers of the area will be benefited.

This “Lecture Series by Top Experts” is being organized to give a detailed introduction to the research areas of current interest in the field of “Experimental Material Science & Neutrino Physics”.

Among the various topics of current interest, course will focus on classification of Materials, their synthesis Techniques and applications up to GHz ranges. And secondly, it will insight the basic fundamental of neutrinos, detection of neutrinos, neutrino oscillations, atmospheric and accelerator neutrinos; constraints on neutrino parameters, statistical methods for analysis of data and neutrino-less Double Beta decay processes. The course is devised in such a way that participants are first introduced to basics of theoretical approaches adopted by researchers for research problems in neutrino physics, their present status and future perspectives and connection to different experimental facilities will be discussed. This will provide the participants with the opportunity of learning the fundamentals and then applying those fundamentals to the research problems.

**VENUE:** Room No 129, PG Class Room, NSCBM PG College, Hamirpur, HP

## CONTACT PERSONS:

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