

## Important Dates

Registration start on: **October 08, 2024**

Deadline for submission of abstract: **October 25, 2024**

Date of notification of accepted abstracts: **October 28, 2024**

Deadline for fee payment: **November 03, 2024**

## Registration Fee

Research Scholars/Students Rs. 1500

Delegates from Academic Institutions Rs. 3000

Delegates from Industry Rs. 5000

**The accepted papers would be published in the conference proceedings with ISBN number.** Interested participants may apply through <https://forms.gle/wm8dqgzhckqDGwLu9>.

The registration fees to be paid through **SBI Collect to Director, NIT Kurukshetra**. The details of the payment method is given in the registration form.

Patron: **Dr. B. V. Ramana Reddy**, Director, NIT, Kurukshetra

Chairperson **Prof. Neena Jaggi**, Head Physics Department, NIT, Kurukshetra

Convener: **Prof. Ashavani Kumar, and Prof. R. P. Chauhan**

Coordinators: **Dr. Kolla Lakshmi Ganapathi** (9916955967), **Dr. Tanmay Maji** (8953342285), **Dr. Than Singh Saini** (7060946353).

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Director, AMPRI, Bhopal

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Address for Correspondence

**HOD/Coordinators, NCNIT-2024**

Department of Physics

National Institute of Technology, Kurukshetra, Haryana, India

Ph.: 01744-233494/495/546/549

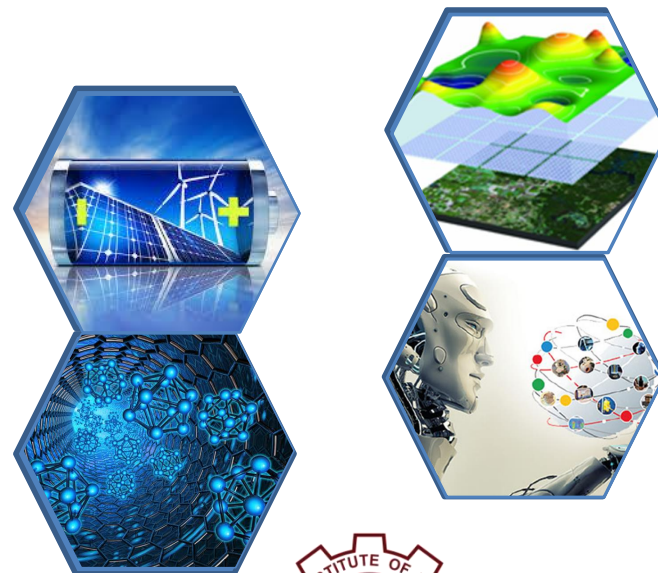
Email: [ncnit2024@gmail.com](mailto:ncnit2024@gmail.com)

## 11<sup>th</sup> NATIONAL CONFERENCE

on

## NANOSCIENCE AND INSTRUMENTATION TECHNOLOGY (NCNIT-2024)

November 08-09, 2024



Organized by

**Department of Physics**

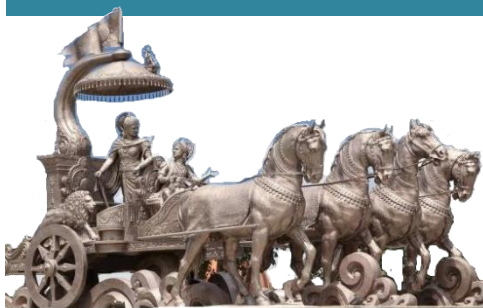
**National Institute of Technology  
Kurukshetra-136119, Haryana, India  
(Institute of National Importance)**

## INTRODUCTION

Department of Physics, National Institute of Technology, Kurukshetra is organizing **11<sup>th</sup> National Conference on ‘Nanoscience and Instrumentation Technology’ (NCNIT-2024)** during **November 08-09, 2024**. Nanomaterials play key roles in science and technology in 21st century. The objectives of this conference series are to provide an interdisciplinary forum for Scientists, Engineers, Technologist and Industrialist engaged in the full spectrum of research & development, applications and to discuss the current status and recent developments of instruments through these materials. In addition, the conference will provide excellent opportunities to review the recent development and technological applications covering wide range of topics. Themes have been selected to accommodate wide range of interests to facilitate interdisciplinary interactions in academic fields and technology / industry.

Established in 1963, the Institute is one of the top ranking institutes for engineering and technology education in the country. The Institute was conferred upon the status of Deemed University on June 26, 2002 and declared an Institution of National Importance by MHRD, Govt. of India on June 6, 2007.

## About KURUKSHETRA



Kurukshetra-the land of the Mahabharata where the quest for wisdom and absolute started with the rendering of sermon by Lord Krishna and also known as Dharmakshetra. The famous tourist spots are Brahasarovar, Jyotisar, Dharohar, Shek Chehli’s Tomb, Panorma, Sannihit Sarovar, Kalpana chawala Planitarium, etc.

In addition to its spiritual significance, the town has steadily developed into a centre of academic excellence. Kurukshetra is a railway junction on the Delhi-Ambala section of the Northern Railway. It is about 160 kms from Delhi. The Institute is situated on the Pehowa Road, about 6 kms from the Railway station Kurukshetra. The nearest road junction is Pipli which is on the National Highway No.1 (Sher Shah Suri Marg). The Institute is about 10 kms from Pipli.

Institute offers Ph.D. in different areas to keep synergy with the evolving innovations and developments in various fields of experimental and theoretical Physics, materials science and nanotechnology.

For this purpose, the Department has various sophisticated instruments/facilities in Optical Instrumentation, FTIR spectroscopy, SPM, SEM, Dielectric spectroscopy, XRD, XRF as well as instruments for the measurements of electrical properties etc. The faculties hold various R & D Projects and also deliver various expert lectures on different platforms.

## Topics of the Conference

- ❖ Nanotechnology for Energy and Environment
- ❖ Synthesis of Nanomaterials
- ❖ 2-D Materials and Devices
- ❖ Optical Fibers and Waveguides
- ❖ Carbon Nano Tubes and Nanocomposites
- ❖ Nano-electronics and Nano-magnetics
- ❖ Integrated Photonic Devices
- ❖ MEMs, NEMs and Nano/ Bio sensors
- ❖ Sensors and Instrumentation
- ❖ Nuclear Radiation Detectors
- ❖ Optics and Nanophotonics
- ❖ High Energy Expt. Instrumentation

## Guidelines for Authors

Contributed papers on original and unpublished research work are invited on the topics mentioned above. Submit one page abstract of the paper highlighting the results of your work with word limit 200-250. The abstract should be typed on A4 size paper with normal margins. The name of the presenting author should be marked with an asterisk (\*) along with e-mail ID. The decision for the oral/poster presentation will be strictly followed as per approval of the technical programme committee.

