

Important Dates

Last date for submission of abstract: **June 30, 2022**

Notification of acceptance: **July 02, 2022**

Submission of full paper: **At the time of conference**

Registration starts on: **July 05, 2022**

Registration Fee

Student Delegates	Rs. 1000/500 (offline/online)
Delegates from Academic Institutions	Rs. 2000/1000 (offline/online)
Delegates from Industry	Rs. 5000

The fee to be paid after acceptance through **SBI Collect** → fill State of institution: **Haryana**; and Type of institution : **Educational Institution**; → Educational Institution name: **Director National Institute of Technology Kurukshetra** → Submit; select Payment Category: **NCNIT2022** and fill the registration form.

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10th NATIONAL CONFERENCE

on

NANOSCIENCE AND

INSTRUMENTATION TECHNOLOGY

(NCNIT-2022)

JULY 09-10, 2022



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 **10th National Conference on 'Nanoscience and Instrumentation Technology' (NCNIT-2022)** during **July 9-10, 2022**. 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.

and 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
- ❖ Carbon nano tubes and nanocomposites
- ❖ Nano-electronics and nano-magnetics
- ❖ Instrumentation for characterization
- ❖ MEMs, NEMs and Nano/ Bio sensors
- ❖ Sensors and Instrumentation
- ❖ Radiation Detectors
- ❖ Simulation and modelling
- ❖ Image Processing

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. Submit only the electronic copy of the abstract through email at ncnit.2022@gmail.com or ncnit22@gmail.com

Research papers presented in the conference will be invited for publication in Scopus/SCI/UGC approved journals after peer review. The template of the paper will be sent to the authors in due course.

