Kalindi College

University Of Delhi

NAAC ACCREDITED GRADE 'A+'

Summer Research Internship

Program

NanoXplore 2025: Bridging Theory & Practice in Nanomaterials

8th June - 8th July, 2025

Limited 25 seats - First-cum-first-basis

Non-Residential

Registration Fee: 1000/-

In Hybrid Mode

🔬 Highlights:-

1. **Synthesis of Nanoparticles**
2. **Thin Film Fabrication using Spin Coating**
3. **Ceramic Pellet Preparation**
4. **Optical Characterization**
5. **Guided Mini-Projects & Certificate on Completion**

For Registration scan the QR code

Registration deadline: 27th May, 2025

Mr. Kapil Kumar
Co-Convener
Department of Physics

Dr. Varsha
Convener
Department of Physics

Dr. V. Bhasker Raj
Convener
Department of Physics

Dr. Savita Sharma
Coordinator
Department of Physics

Prof. Meena Charanda
Principal
Kalindi College

ContactUs :

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👩‍🎓 **Open to students of:**

- **B.Sc. (Hons.) & B.Sc. Program students of IInd & IIIrd Year**
- **M.Sc. Physics students**
- **B.Tech. & M.Tech. Students related to the field**

Registration Link: https://forms.gle/kQaviTNoaauGPnso7

Objectives:

- To introduce students to the fundamental principles of nanoscience and nanotechnology.
- To provide practical training in the synthesis of nanoparticles and the fabrication of thin films and ceramic pellets.
- To impart skills in optical characterization techniques and data interpretation.
- To motivate students to pursue research through guided mini-projects.
- To promote interdisciplinary learning among Physics and Engineering students.

Learning Outcomes:

By the end of the internship, students will:

- Acquire conceptual and practical knowledge in nanomaterials science.
- Learn key synthesis and fabrication techniques used in material research.
- Develop competence in analyzing experimental data.
- Enhance their readiness for research internships, higher studies, and industrial roles.
- Receive a Certificate of Completion from the Department of Physics, Kalindi College.

Eligibility Criteria:

- Students enrolled in B.Sc. (Hons. & program) (2nd & 3rd Year), M.Sc. Physics, B.Tech., or M.Tech. in related disciplines (Physics, Materials Science, Nanotechnology, etc.).
- A strong interest in experimental physics/material science.
- No. of seats available 25; selection will be on first come first serve basis.

Certification:

Participants who fulfill the attendance requirements of minimun 75%, complete the laboratory assignments, and submit a project report will receive an official Certificate of Participation.

Other Details:

- Duration: 60 hours including 30 hours theory (Online) and 30 hours practical (Offline).
- The internship will be held at the Department of Physics, Kalindi College, East Patel Nagar, New Delhi-110008.
- It is compulsory for selected students to submit NOC from the institute currently enrolled in (If applicable).
- Rules and regulations of Kalindi College will be followed during the entire period of internship.