

# Report on Faculty Exchange Program: Nuclear Physics Lectures by Dr. Nirmalya Pahari

*Date: 17th January 2024*

*Venue: Raidighi College*

*Organized by: Thakurpukur Vivekananda College and Raidighi College*

*Program: Faculty Exchange Program under the Memorandum of Understanding (MoU)*

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## Introduction:

As part of the ongoing Faculty Exchange Program between Thakurpukur Vivekananda College and Raidighi College, Dr. Nirmalya Pahari from the Physics Department of Thakurpukur Vivekananda College visited Raidighi College to deliver a series of lectures on Nuclear Physics. This event was conducted on 17th January 2024 and was a significant part of the collaboration outlined in the Memorandum of Understanding (MoU) between the two institutions.

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## Objective:

The primary objective of Dr. Pahari's visit was to enhance academic exchange and provide a deeper understanding of advanced topics in Nuclear Physics to the faculty and students of Raidighi College. This lecture series aimed to foster knowledge transfer and promote academic interaction between the faculty members of both colleges.

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## Event Details:

Dr. Nirmalya Pahari, a respected academic in the field of Nuclear Physics, conducted a comprehensive lecture series covering fundamental and advanced aspects of Nuclear Physics. The lectures were designed to cater to both undergraduate and postgraduate students, as well as faculty members interested in the subject.

The key topics covered during the lecture sessions included:

- **Introduction to Nuclear Physics:** Basic principles and key concepts.
- **Nuclear Reactions and Decay:** Understanding types of reactions, decay modes, and their applications.
- **Applications of Nuclear Physics:** Exploration of practical uses in medicine, energy production, and industry.
- **Current Trends and Research:** Latest advancements and ongoing research in the field of Nuclear Physics.

Dr. Pahari's engaging teaching style and in-depth knowledge made the sessions highly interactive, encouraging students and faculty to actively participate in discussions.

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### **Impact and Benefits:**

The lecture series proved to be highly beneficial for the academic community at Raidighi College. The participants gained valuable insights into the complex subject of Nuclear Physics, an area of study that is crucial for advancing scientific research and technological development. Furthermore, the program provided an excellent platform for fostering collaboration between the two institutions, paving the way for future academic exchanges and joint research initiatives.

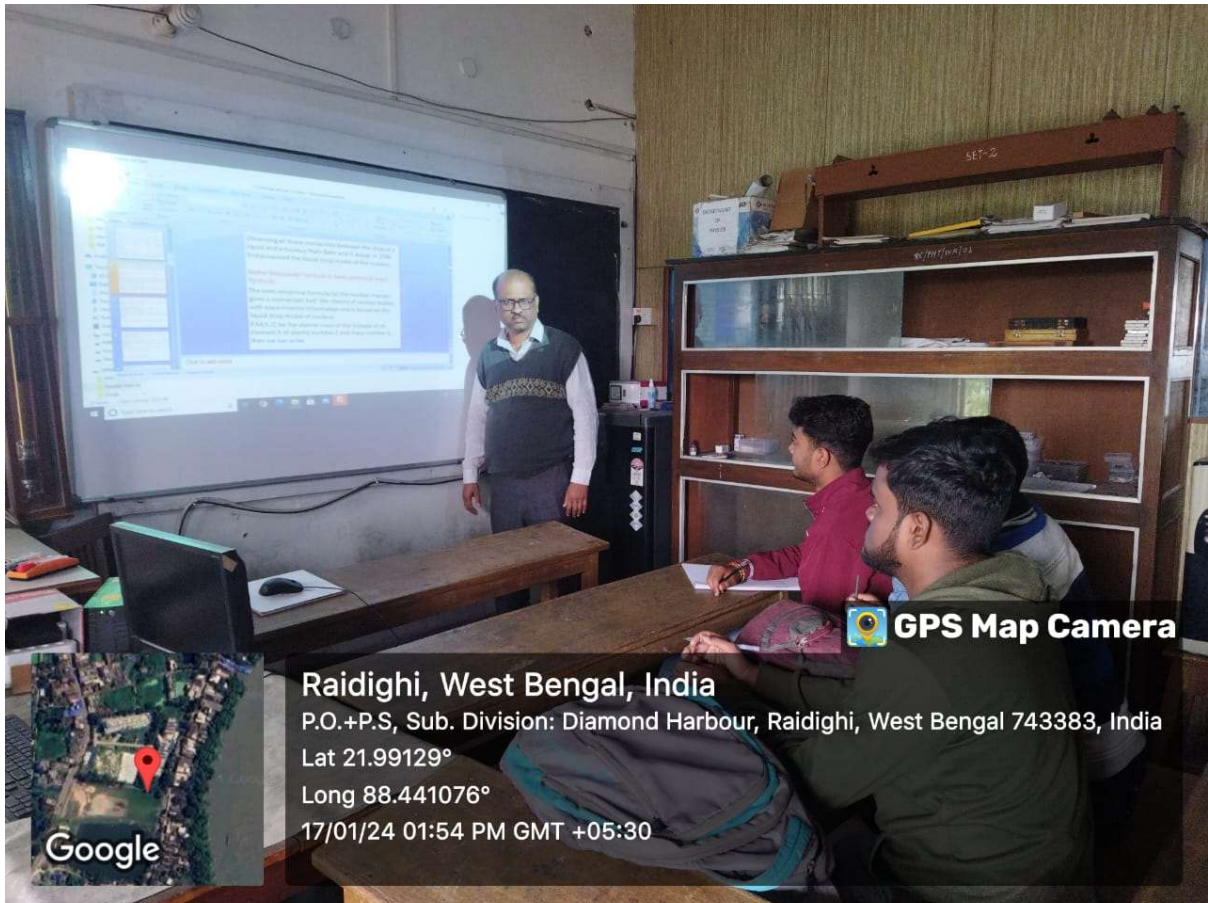
- **Academic Enrichment:** Students and faculty members of Raidighi College were able to learn from Dr. Pahari's expertise in Nuclear Physics, expanding their knowledge base.
- **Strengthened Collaboration:** The Faculty Exchange Program facilitated stronger ties between Thakurpukur Vivekananda College and Raidighi College, promoting future academic cooperation.
- **Research Inspiration:** The lectures sparked interest in nuclear research and inspired students to pursue higher studies and research in the field.

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### **Conclusion:**

The Faculty Exchange Program between Thakurpukur Vivekananda College and Raidighi College, under the MoU, was a great success. Dr. Nirmalya Pahari's lectures on Nuclear Physics enriched the academic environment at Raidighi College and fostered a spirit of collaboration between the two institutions. Such programs are essential in broadening the academic horizons of students and faculty, and they contribute to the overall development of the educational community.

Both colleges look forward to continuing this exchange and expanding their academic cooperation in the future.




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