

## Seminar & Group Discussion Class

Seminar and Group Discussion classes are conducted regularly in the department by students and faculties to improve communication skills and gain knowledge.



Preparatory classes for CSIR-UGC NET, SET, GATE, TIFR, DRDO and BARC Entrance Test, JEST are conducted regularly by faculties

## Skill Development Program in the Department of Physics

Self-learning and self-acquiring of knowledge is the real education. To showcase the innovative ideas of students and enhance the entrepreneurship skill, Dept. of Physics organizes SKILLX program in every semester.



## Student's Achievements



3<sup>rd</sup> Position in the National Seminar "Advances in Breakthroughs in Microbiology and Cancer research-2024"



2<sup>nd</sup> Position in 5<sup>th</sup> Regional Science Congress, West Bengal State University, Barasat, 2023



107 Indian Science Congress, University of Agricultural Science, Bengaluru, 2020



Best Presentation Award in 5<sup>th</sup> International Conference SPECTRUM, IEM-Kolkata, 2024

Students present their project work in National and International conferences and received award. Students of Department of Physics have published more than 30 research papers in reputed Journal and Conferences.

## Our Alumni



Saswati Mandal, Ph.D. (Pursuing) at Doktorand at ippt-pan, Porland, 2025



Sipra Jana, Ph.D. (Pursuing) at Bremen University, Germany, 2024



Saparza Dutta, Qualifying State Eligibility Test (SET) 2024



Soumyadev  
M.Tech (IIRS, ISRO), 2023

Students of department of Physics are placed in renowned Institute for Higher studies and also for teaching profession



## DEPARTMENT OF PHYSICS

### CONTACT US

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### Admission Helpline:



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03325636677



admissions@jisuniversity.ac.in

<https://www.jisuniversity.ac.in>

Eligibility Criteria for admission in Integrated M.SC.-Ph.D. in Physics: **B.Sc. (H) in Physics or equivalent 10+2+3 pattern with Physics as one of the subsidiary/ pass subjects**

## About the Department

The department of Physics in JIS University started its journey in 2015. The department always gives priority to provide quality teaching along with state of the art research facilities to ensure proper learning and encouraging innovative ideas in Physics and allied areas. The diverse qualifications of the faculty members ensure expertise in all aspects of Physics as well as in various interdisciplinary areas. Departmental Laboratories are planned to equip further with sophisticated instruments. Aware of the wide- ranging needs of the diverse student groups, the Department offers intensive tutorials (on theory and laboratory classes alike) and individual care to enhance their academic level. We plan to identify and attract the most promising students to form a dynamic and diverse community, and to shape them into visionary scholars, innovative educators, and creative leaders. The students are groomed in order to become competent enough to face the global challenges from academic fields as well as from different sectors. The objective of the department is to recognize as delivering world class facilities that support outstanding research, teaching and learning. Moreover the M.Sc. course is to lay a solid foundation for further extending the Ph.D work in the concerned field.

## Research Areas

Thrust areas of research are Atmospheric Physics, Solar Terrestrial Physics, Solid-state Physics, Materials Science, Nanomaterials, Multiferroics and Spintronic systems, Multi-functional Materials, Microwave shielding materials, Organic-Inorganic Synthesis, Nanotechnology, Non-linear dynamics and interdisciplinary areas.

## Objectives of the Department

- To start with a **comprehensive knowledge through the core courses** of Physics
- The department specific elective courses are designed covering **applied areas and interdisciplinary content** to impart students with a broader knowledge.
- To acquire basic concepts of Physics through **hand on practice experiments** are designed accordingly.
- The topic of **dissertation(s) emphasis on how research leads to new findings.**
- To lay a **solid foundation for higher studies.**

## Faculty Details

### Prof. Rina Bhattacharya, HOD



M.Sc in Physics( Calcutta University), Ph.D. (Calcutta University), Post-doctoral Research (Institute of Radio Physics and Electronics)

### Dr. Pranabi Maji, Assistant. Professor



M.Sc.in Physics (University of Burdwan), Ph.D. (IIT (ISM), Dhanbad)

### Mr. Sauvik Bose, Faculty



M.Sc. in Physics (JIS University). Ph.D. (Pursuing)

## Departmental Infrastructure

Advanced Physics Lab, Optics Lab, General Lab, and Research Lab



## Library

There is a rich collection of books for students and teachers. There are reading room facilities and books are also lent to students on short and long term basis

