

## BARGARH AT A GLANCE

Bargarh district is located in western Odisha and was formed on April 1, 1993, after its separation from Sambalpur. It is popularly known as the "Rice Bowl of Odisha" due to its strong agricultural base, with paddy cultivation supported by the Hirakud Canal system. Agriculture forms the backbone of the district's economy. Bargarh is also renowned for its rich culture, traditional Sambalpuri handloom weaving, and the world-famous open-air theatre festival *Dhanu Yatra*. Tourist attractions such as Gandhamardan Hills, Nrusinghanath Temple, and Debrigarh Wildlife Sanctuary add to its significance, making Bargarh a unique blend of agriculture, culture, and tradition.

## PANCHAYAT COLLEGE BARGARH

**Panchayat College, Bargarh**, established in 1960 and declared a full-fledged government college in 1971, is a premier hub of higher education in Western Odisha. With a vision to spread the light of learning, it offers 21 U.G. and 15 P.G. courses. The college has well-equipped laboratories, a rich library, and a dedicated faculty committed to academic excellence. The institution also promotes research, social awareness, and community engagement through NSS and NCC units. The college is committed to foster academic excellence and social responsibility in a region known as the "Rice Bowl of Odisha." **ESTD. in 1960, PANCHAYAT COLLEGE, BARGARH (NAAC Accredited 'B' Grade)** is affiliated to Sambalpur University Bargarh, Odisha – 768028

## P.G. DEPARTMENT OF PHYSICS

The P.G. department of Physics is offering both U.G. and P.G. courses in Physics with 32 seats each. The department has consistently recorded commendable academic performance of the students in university examinations and other academic activities. It always strives for excellence and relevance in emerging areas of Physics and its interdisciplinary applications. The department is well equipped with modern teaching facilities and advanced laboratories containing sophisticated instruments for practical and research work. The students have demonstrated strong academic potential through excellent examination results and good placement records in Government, Public Sector, and academic institutions. The faculty members are having excellent research output and publishing their research work in reputed national/international journals and conferences.

## ORGANIZING COMMITTEE

**PATRON:** DR. NAKUL SETH, PRINCIPAL

**CONVENER:** DR. LIPSA NANDA, H.O.D, DEPT. OF PHYSICS

**ORGANIZING SECRETARY:** DR. KISHORA NAYAK, DEPT. OF PHYSICS

DR. BINAYA KU. SAHU, DEPT. OF PHYSICS

**JOINT ORGANIZING SECRETARY:**

MS. SMRUTISMITA SAMAL, DEPT. OF PHYSICS

MRS. REETA PANDEY, DEPT. OF PHYSICS

MRS. PANKAJINI RAY, DEPT. OF PHYSICS

MR. ANIRUDHA ROHIDAS, DEPT. OF PHYSICS

**TREASURER:** MR. MANOBANCHHA KUSHAL, DEPT. OF PHYSICS

MR. PRABHASH RANJAN BHOI, DEPT. OF PHYSICS

**ACCOMMODATION:** MS. NIHARIKA DEBTA, DEPT. OF PHYSICS

MR. RONAK PRADHAN, DEPT. OF PHYSICS

**TRANSPORTATION:** MR. JOGESWAR PODH, DEPT. OF PHYSICS

## INVITED SPEAKERS

- PROF. PRASHANTA K. PANIGRAHI, (FORMER PROF.), IISER KOLKATA
- PROF. ASIMA PRADHAN, (FORMER PROF.), IIT KANPUR
- PROF. RAGHUNATH SAHOO, IIT INDORE
- PROF. SUSANTA KUMAR DAS, V.C (I/C), GM UNIVERSITY
- PROF. SUBHANKAR BEDANTA, NISER, BHUBANESWAR
- PROF. RAJIB PADHEE, SAMBALPUR UNIVERSITY
- PROF. SUKANTA KUMAR TRIPATHY, BERHAMPUR UNIVERSITY
- PROF. BANARJI BEHERA, SAMBALPUR UNIVERSITY
- PROF. DIBAKAR SAHOO, SAMBALPUR UNIVERSITY
- DR. KALPATARU PRADHAN, SINP, KOLKATA
- DR. TAPAN MISHRA, NISER, BHUBANESWAR
- DR. SUDHANSU SEKHAR BISWAL, RAVENSHAW UNIVERSITY
- DR. PRAMODA KUMAR SAMAL, G.M. UNIVERSITY

## ADVISORY COMMITTEE

PROF. ZASMIR NAIK, HOD, Dept of Physics, Sambalpur University

DR. UMESH CHANDRA MAHAPATRA , HOD, Dept. of English

MR. BINOD CHANDRA SAHU, Former HOD, Dept. of Physics

MR. PURNA CHANDRA MEHER, Former HOD, Dept. of Physics

MRS. SURYAKANTI SIKANDAR, HOD, Dept. of Botany

DR. BIDUT PRAVA MOHANTY, HOD, Dept. of Zoology

DR. SUSHANTA KUMAR PADHAN, HOD, Dept. of Chemistry

MR. MRUTYUNJAY MALIK, HOD, Dept. of Mathematics

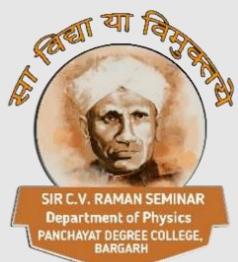
DR. ABHILASH SAHU, HOD, Dept. of Statistics

DR. JANMAJAYA PADHAN, HOD, Dept. of Teacher Education

MR. MANABHANJAN PANIGRAHI, Dept. of English

DR. ANJALI DASH, HOD, Dept. of Economics

DR. KRISHNARANI SAMAL, HOD, Dept. of Hindi



## NATIONAL CONFERENCE ON FRONTIER IN PHYSICS AND TECHNOLOGY (FPT - 2026)

DATES: 31<sup>st</sup> January & 1<sup>st</sup> February

(Hybrid Mode: Physical & Virtual)



VENUE: DEPARTMENT OF PHYSICS  
PANCHAYAT COLLEGE, BARGARH, ODISHA

Organised by:

P.G. DEPARTMENT OF PHYSICS  
PANCHAYAT COLLEGE, BARGARH

## ABOUT THE CONFERENCE

The National Conference on Frontiers in Physics and Technology (FPT-2026) serves as a dynamic forum for researchers, academicians, and students to share breakthroughs in theoretical and experimental physics. The conference aims to highlight the recent developments in material science, nanotechnology, quantum information, high energy physics and astrophysics. Further, the event promotes interdisciplinary collaboration and innovations.

FPT-2026 inspires young scholars towards scientific rigor and creative discovery through direct engagement with eminent experts. Participants will benefit from plenary lectures, invited talks, and interactive poster sessions designed to foster academic networking by facilitating high-level knowledge exchange. This gathering remains a cornerstone for those dedicated to exploring the latest frontiers and shaping the future of allied technologies.

### SUB-THEMES (FOCUS AREAS)

- Condensed Matter Physics:** Superconductivity, Magnetism, and Crystallography.
- Nano Technology:** Nanomaterials, Quantum dots, Polymers, Smart Materials, and Plasmonics.
- Energy Physics:** Solar Cells, Fuel Cells, Catalysis and Energy Storage.
- High Energy Physics, Astrophysics and Cosmology:** Quark-Gluon Plasma (QGP), QCD Phase Diagram, Black Holes, Dark Matter, and Space Science.
- Quantum Information:** Computing, Cryptography, and Teleportation.
- Interdisciplinary:** Biophysics, Medical Physics.

### IMPORTANT DATES

Conference Dates	31 <sup>st</sup> January & 1 <sup>st</sup> February 2026
Last date of Abstract Submission	20 <sup>th</sup> January 2026
Notification of Abstract Acceptance	22 <sup>nd</sup> January 2026
Registration Open	6 <sup>th</sup> January 2026
Registration Closed	22 <sup>nd</sup> January 2026
Spot Registration	31 <sup>st</sup> January 2026

## CALL FOR ABSTRACT

- Abstract format:** Single column, A4 size, line spacing 1.5, Font size: 12, Font style: Times New Roman, the abstract should not exceed 300 words. The purpose of the work, research methods used, key findings, and major conclusions should be clearly stated. Two or more references can be included.
- Abstract should be submitted:** [pcbphysics@gmail.com](mailto:pcbphysics@gmail.com)

## ORAL PRESENTATION

- Duration:** Each oral presentation will be allotted 10 minutes and includes 2 minutes Q and A session, Visual aids (e.g., Power Point slides) are encouraged for presentation.
- Technical Help:** Presenters will have access to a computer, projector, and microphone. Slides should be submitted in advance, in PPT/PDF PPT/PDF format, to ensure compatibility.

## POSTER PRESENTATION

- Dimensions:** Posters should not exceed 36" (width) X 48" (length)-Portrait.
- Content:** Posters should summarize the key aspects of the research including title, authors, affiliations, objectives, methodology, key findings & conclusions, acknowledgements & references.

## AWARD

Prizes will be given to the outstanding Oral and Poster Presentations.

## REGISTRATION FEES

Category	Fee (INR)
UG/PG Students	₹ 300
Research Scholars	₹ 500
Faculty/Industry Delegates	₹ 700
Faculty (Online)	₹ 500

REGISTRATION LINK: <https://prourls.info/qYNhMX>



## PAYMENT DETAILS

**Bank Name & Branch:** State Bank of India, Bheden  
**Account Name:** Prabhas Ranjan Bhoi  
**Account Number:** 32512324766  
**IFSC Code:** SBIN0003379  
**UPI ID:** prabhasranjanbhoi@ybl  
**UPI NUMBER:** 9937494263  
**Scan to pay through QR Code:**



## HOW TO REACH

- Bus:** Govt. Bus Stand, Bargarh (3 km).  
Private Bus Stand, Bargarh (5km).
- Train:** Bargarh Road Railway Station (3 km).
- Air:** Nearest Airports - Jharsuguda (100 km), Raipur (230 km), Bhubaneswar (320 km).

## CONTACT US

- Dr. Lipsa Nanda**  
*Convener, FPT-2026*  
Mobile: 9439223142  
Email: [nlipsa@gmail.com](mailto:nlipsa@gmail.com)
- Dr. Binaya Kumar Sahu**  
*Organizing Secretary, FPT-2026*  
Mobile: 9444209475  
Email: [binayamsc12@gmail.com](mailto:binayamsc12@gmail.com)

- Dr. Kishora Nayak**  
*Organizing Secretary, FPT-2026*  
Mobile: 7978960365  
Email: [k.nayak1234@gmail.com](mailto:k.nayak1234@gmail.com)