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A Greener Beginning: IIT Bhubaneswar Welcomes New Year 2026

IIT Bhubaneswar welcomed the New Year 2026 with a renewed commitment to sustainability through a plantation drive around the Administrative Building. The faculty and staff of the Institute, led by Prof. Shreepad Karmalkar, Director, planted saplings to mark a greener beginning to the year. Among others, Dr. Sarat Kumar Panda, Chairperson-Infrastructure, Dr. Seema Bahinipati, Dr. Narsa Reddy Tummuru, Co-Chairperson-Infrastructure, Shri Bamadev Acharya, Registrar and Shri K. Rabin Kumar Dora, Superintendent Engineer were present on the occasion. Addressing the gathering, Prof. Karmalkar highlighted forthcoming sustainability initiatives, including the proposed Shramdaan programme, aimed at fostering collective responsibility among campus members to keep the Institute clean, green, and environmentally conscious.

Global Experts Converge at IIT Bhubaneswar during ICCMS 2025

IIT Bhubaneswar provided a significant international platform for advanced engineering discourse with the organization of the 10th International Congress on Computational Mechanics and Simulation (ICCMS 2025). Organized jointly by the Indian Association for Computational Mechanics (IndACM) and IIT Bhubaneswar, the prestigious three-day international congress was held from 17th to 19th December 2025, bringing together leading researchers, academicians, and industry experts from India and abroad.

The inaugural ceremony set the tone for high-level scientific engagement and interdisciplinary exchange. The event was graced by eminent figures in the field, including Prof. Tarun Kant, Professor Emeritus, IIT Bombay, Founding President of IndACM and Mentor for ICCMS 2025; Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar; Prof. V. Pandu Ranga, Dean (Continuing Education) of IIT Bhubaneswar, and Vasant Matsagar, General Secretary, IndACM. The programme commenced with the welcome address and an overview of ICCMS 2025 delivered by Dr. Sarat Kumar Panda, the Conference Chair.

Addressing the gathering, Prof. Karmalkar highlighted the Institute's rapid academic and research growth, driven by a strong emphasis on interdisciplinary research, industry–academia collaboration, and entrepreneurship, with nearly 120 startups currently being mentored on campus.

He noted that IIT Bhubaneswar has made significant strides in recent years, including a 15-rank improvement in the NIRF rankings, reflecting its steady institutional progress. Emphasizing the relevance of ICCMS 2025, he stated that computational mechanics and simulation play a pivotal role in addressing complex engineering and climate-related challenges, and that hosting the congress aligns closely with the Institute's vision of contributing to national and global scientific advancement.

In his address, Prof. Tarun Kant reflected on the 25-year journey of IndACM and the evolution of ICCMS since its inception in 2004, highlighting the growth of computational mechanics and its increasing relevance across scientific disciplines. Tracing the rise of numerical and finite element methods enabled by digital computing, he emphasized the field's pivotal role in addressing complex real-world engineering challenges and noted that ICCMS remains a vital platform for fostering interdisciplinary research and global collaboration.

Speaking on the occasion, Prof. V. Pandu Ranga highlighted the various initiatives taken up by IIT Bhubaneswar towards continuing learning and education. During the inauguration programme, Fellow of IndACM (Indian Association for Computational Mechanics) were awarded to Prof. Sanjay Mittal from IIT, Kanpur and Prof. Santosh Kapuria from IIT Delhi. Dr. Devesh Punera, Co-Chair of the Conference, proposed a vote of thanks in the inaugural session. Co-Chair Dr. Mohammed Masiur Rahaman was also present on the occasion.

Following the inauguration, ICCMS 2025 transitioned into an intensive technical programme. Over the three days, the congress will feature plenary lectures by internationally renowned experts, parallel keynote sessions, and parallel technical sessions covering emerging themes, advanced methodologies, and cutting-edge applications in computational mechanics and simulation. The programme also includes panel discussions, technical paper presentations, and interactive sessions aimed at fostering in-depth scientific dialogue, knowledge exchange, and long-term collaboration among researchers across disciplines.

With its robust academic agenda and distinguished participation, ICCMS 2025 played a pivotal role in shaping future research directions and strengthening global collaboration in computational mechanics and simulation.

ICPCCE 2025 Inauguration | Focus on Pollution Control & Sustainable Use of Resources

IIT Bhubaneswar hosted the 2nd International Conference on Pollution Control for Clean Environment (ICPCCE 2025) on 22nd and 23rd December 2025, bringing together leading scientists, policymakers, academicians, and young researchers to deliberate on actionable solutions for air, water, and waste pollution—one of the most pressing challenges confronting society today.

Organised by the School of Infrastructure and the Department of Electrical Engineering, the two-day conference focused on translating cutting-edge research into actionable strategies for sustainable environmental management, in alignment with national priorities and global sustainability goals.

In his address, Prof. Arvind Kumar Nema, Deputy Director, IIT Delhi, urged researchers to move beyond academic outputs and become “impact-driven leaders,” highlighting how tools such as the Comprehensive Environmental Pollution Index (CEPI) have shaped industrial regulation and environmental governance in India, demonstrating the value of evidence-based research in policy action.

Prof. Makarand M. Ghangrekar, Director, NIT Puducherry, noted that the true success of conferences like ICPCCE lies in mentorship, interdisciplinary collaboration, and meaningful networking, particularly for early-career researchers, and encouraged young scholars to align their work closely with societal needs and regulatory priorities.

Addressing the gathering, Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar, said, “IIT Bhubaneswar stands as a sanctuary where nature and innovation coexist amid growing environmental stress in urban India. With over 50,000 trees acting as a biological scrubber and a strict ban on single-use plastics, we are committed to controlling pollution at the source.

The AQI, like a thermometer for the atmosphere, signals when corrective policy action can no longer be delayed.” He added that pollution control must go beyond air quality to include chemical and waste management, highlighting e-mobility and sustainable planning, and urged that “institutional campuses and cities alike must adopt integrated, preventive frameworks if the calm of the IIT Bhubaneswar campus is to become the national standard.”

Prof. V. Pandu Ranga, Dean (Continuing Education) also spoke on the occasion and shared the various efforts being made by the Institute towards lifelong learning.

Prof. Rajesh Roshan Dash, Convenor of the conference, delivered the welcome address in the inaugural session, while Dr. Manaswini Behera briefed the audience about the objectives of the conference. The book of abstracts was released during the inaugural ceremony. Dr. Sankarsan Mahapatro proposed a vote of thanks.

ICPCCE 2025 featured keynote lectures, invited talks, technical sessions, and poster presentations covering advanced wastewater treatment, air pollution modelling, waste valorisation, circular economy approaches, environmental policy, and the application of artificial intelligence in pollution monitoring and control. The conference saw robust participation in both offline and online formats, reinforcing its international character.

The conference concluded with a collective resolve to strengthen science-led policy engagement, collaborative research, and sustainable technology deployment, reaffirming the role of academic institutions in addressing one of society's most pressing environmental challenges.

IIT Bhubaneswar Signs Research Collaborative Agreement with GRIDCO & NTU Singapore

IIT Bhubaneswar has signed a Research Collaborative Agreement with GRIDCO Ltd. and Nanyang Technological University to advance four renewable energy deployments—Battery Energy Storage, Microgrids, Waste-to-Energy, and Agri-Photovoltaics—spanning prototype development to commercial implementation. The initiative strengthens India's renewable energy ecosystem, particularly in eastern India, while reinforcing Indian Institute of Technology Bhubaneswar's emergence as a national renewable energy hub aligned with the Government of Odisha's energy-transition goals. Additionally, an MoU with GRIDCO Ltd., Avaada, and ReNew Pvt. Ltd. establishes a Centre of Excellence in Green Hydrogen, focused on translational research, entrepreneurship, and commercialization.

The initiative will boost innovation, strengthen academia–industry collaboration, and accelerate Odisha's rise as an energy-transition hub aligned with the Prime Minister's Net-Zero vision. The MoUs were signed at the Global Energy Leaders' Summit (GELS25) in Puri (5th to 7th December 2025), in the presence of Kanak Vardhan Singh Deo, Hon'ble Deputy Chief Minister of Odisha, and Vishal Kumar Dev, Principal Secretary (Energy). Representatives from GRIDCO Ltd., Avaada, ReNew Pvt. Ltd., and Indian Institute of Technology Bhubaneswar were present. The collaboration underscores IIT Bhubaneswar's commitment to renewable energy research, innovation, and large-scale deployment.

IIT Bhubaneswar organizes Public Lecture by Padma Bhushan Awardee Prof. Ashoke Sen

The Indian Strings Meeting (ISM) 2025, an international conference on string theory and high-energy physics, was jointly organised by IIT Bhubaneswar and NISER Bhubaneswar from 9th to 14th December 2025. The long-running biennial meeting brought together over 200 researchers from India and abroad for invited talks, discussions and poster sessions on cutting-edge developments in string theory, quantum field theory, gravity and related mathematical structures. A major highlight of ISM 2025 was a public lecture by Padma Bhushan Awardee Prof. Ashoke Sen (ICTS–TIFR, Bengaluru), one of the world's leading theoretical physicists on 13th December 2025 at IIT Bhubaneswar, for college and school students, faculty, and conference participants.

Speaking on "String Theory and Its Many Manifestations", Prof. Sen offered an accessible overview of string theory, explaining why the subject is actively studied and how its different formulations—ranging from perturbative strings to dualities, branes, and holography—emerge as consistent facets of a deeper underlying framework. He highlighted the unifying ideas that connect these seemingly diverse manifestations and discussed their potential implications for fundamental physics. The lecture provided students and teachers with a rare opportunity to hear one of the world's leading theoretical physicists, generating strong engagement from the audience.

Speaking on the occasion, Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar reminded the audience that “the development of scientific temper, humanism and the spirit of inquiry and reform" is one of the duties of Indian citizens as per Article 51A (h) of the Constitution. Hence, all of us should be aware of elements of a scientific method, namely – observation, explanation in terms of a theory, and verification of the theory using an experiment. Thus, theory has a central role in scientific method. It reveals the unity underlying seemingly diverse observations. It has a qualitative part which involves logical reasoning using concepts and then a quantitative part which involves equations. The equations are useful for making predictions regarding various happenings.

About 750 participants from local schools, Colleges, educational institutions in Bhubaneswar and several Indian and foreign participants of ISM 2025, together with faculty and students of IITBBS and NISER attended the event. Organisers noted that ISM 2025 served as an important platform for scientific exchange and for strengthening national and international collaborations in theoretical physics.

International Conference Explores Interface of Thought, Perception and Reality

The School of Humanities, Social Sciences, and Management (SHSSM) of IIT Bhubaneswar, in collaboration with the Centre for Foundation of Science and Consciousness, Bhaktivedanta Institute, Bhubaneswar, organised the International Conference on Thought, Perception and Reality (ICTPR 2025) on 27th and 28th December 2025.

The inaugural session was graced by the Chief Guest, Prof. Andrew Briggs, Emeritus Professor of Nanomaterials, University of Oxford; the Guest of Honour, Prof. (Dr.) Ashok Kumar Mahapatra, Padma Shri Awardee (2025) and former Chair, AIIMS Delhi and former Director, AIIMS Bhubaneswar; Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar and Shri Vasudeva Rao, President, Bhaktivedanta Institute, Kolkata.

Welcoming the participants, Prof. Shreepad Karmalkar highlighted IIT Bhubaneswar's unique campus ecosystem and noted that the true strength of an institution lies beyond infrastructure, in its "collective discipline, research rigour, and integrity of habits." Drawing from Indian and Western philosophical traditions, he emphasised that effective academic leadership depends on aligning institutional reality with shared perception through rigorous standards and transparent feedback, transforming compliance into meaningful contribution.

The conference convened eminent scholars and thinkers for cross-disciplinary reflections on thought, perception, and reality across philosophy, psychology, science, consciousness studies, and the humanities. Chief Guest Prof. Briggs explored the interplay between perception and reality through insights from quantum theory, highlighting the observer effect, indeterminacy, and the ethical questions shaping artificial intelligence and moral reality. Guest of Honour Prof. (Dr.) Mahapatra emphasised the contemporary relevance of consciousness studies and ethical responsibility, underscoring reflective thinking as central to social commitment. Shri Vasudev Rao outlined the vision of the Bhaktivedanta Institute, stressing the conference's relevance at the intersection of science, philosophy, and spirituality, and advocating an integrative approach to understanding consciousness, thought, perception, and reality.

The conference is being convened by Dr. Sreetama Misra (Philosophy) and Dr. Aparna Pandey (Psychology), Assistant Professors at IIT Bhubaneswar, along with Shri Jitun Dhal, Director, Bhaktivedanta Institute Bhubaneswar. The Book of Abstracts for ICTPR 2025 was formally released during the inaugural ceremony.

In the coming two days, the conference promises intellectual deliberations and interdisciplinary collaborations. ICTPR 2025 marks a significant academic event, fostering meaningful dialogue between philosophy, science, and consciousness studies. The conference reaffirms IIT Bhubaneswar's commitment to promoting interdisciplinary research and intellectual exchange at both national and international levels.

4th Alumni Meet

With the objective of reconnecting with its alumni and celebrating their achievements beyond graduation, the Indian Institute of Technology (IIT) Bhubaneswar organised its 4th Alumni Meet on 27th and 28th December 2025. The two-day programme provided a vibrant platform for alumni to revisit the campus, engage with faculty members and current students, and share valuable feedback for the Institute's continued growth.

The inaugural session featured an interaction by Prof. Shreepad Karmalkar, Director of the Institute, who highlighted recent developments and initiatives undertaken by the Institute in the areas of teaching-learning, research, industry-academia collaboration, entrepreneurship development, teacher education, alumni connect, social responsibility, mental wellness and promoting Bharatiyata. Prof. Ashis Biswas, Dean of Alumni Affairs, Corporate & International Relations, welcomed the alumni and emphasised the importance of sustained engagement with the Institute. Mr. Pratik Pattanaik, President, Alumni Association, IIT Bhubaneswar also addressed the gathering.

Following the inaugural session, alumni visited key facilities including the Semiconductor Laboratory and the Research & Entrepreneurship Park. They also toured the academic schools and campus infrastructure to witness the significant developments undertaken by the Institute. An interactive session titled “Adapting to AI: IITBBS & Alumni” was organised on the first day, featuring Dr. Debi Prasad Dogra, Head, Department of Computer Science & Engineering, along with alumni speakers, who discussed emerging trends and challenges in AI adoption.

The programme also included a talk by Prof. Ashis Biswas on his recent research breakthrough titled “Development of a Novel TB Vaccine Candidate—HSP Subunit Vaccine in Adjuvant (DDA) Against Mycobacterium tuberculosis.” On the second day, alumni interacted with members of the IIT Bhubaneswar Research & Entrepreneurship Park and entrepreneurs from incubated startups, gaining insights into the Institute’s efforts to promote innovation and entrepreneurship in the State.

A heritage visit to Dhauli Shanti Stupa was also organised during the 2-day programme. The 4th Alumni Meet concluded with a vibrant cultural evening presented by Parampara, the cultural club of IIT Bhubaneswar.

CFRTM-2025 at IIT Bhubaneswar

The International Conference on Current and Futuristic Research Trends in Manufacturing (CFRTM-2025) was held IIT Bhubaneswar from 19th to 21st December 2025, focused on advancements, innovation, and emerging research areas in Manufacturing Engineering.

The inaugural session featured Chief Guest Shri Sashi Shekhar Mohanty and Conference Patron Prof. Shreepad Karmalkar, who emphasized the importance of strengthening research, innovation and academic excellence in the manufacturing domain.

Through keynote addresses, expert sessions, and industry interactions, CFRTM-2025 aimed to serve as a collaborative platform for researchers and professionals working in manufacturing engineering.

Recent Advancements in the Structural Design of Stealth Airborne Platforms (RASSAP)

In the era of advanced military competition, reducing aircraft detectability to enemy radar is vital for survivability and performance. Stealth technology achieves this through radar-absorbing and deflecting structures, with multifunctional composite materials emerging as a promising yet underexplored solution. Given their strategic importance and the need for indigenous development under the Government of India's Atmanirbhar Bharat initiative, a one-day International Workshop on Recent Advancements in the Structural Design of Stealth Airborne Platforms (RASSAP) was organised on 16th December 2025 at IIT Bhubaneswar, in collaboration with the Aeronautical Development Establishment (ADE), DRDO, Bengaluru.

The workshop received over 90 registrations, with around 80 participants attending in person, including students from IITs, NITs, and IISERs; faculty from NIT Rourkela; scientists from multiple DRDO laboratories; and a representative from the Indian Army. Technical sessions were delivered by experts from the University of New South Wales (UNSW); ADE, DRDO; National Aerospace Laboratories (NAL); CSIR–Institute of Minerals and Materials Technology (IMMT), Bhubaneswar; Vikram Sarabhai Space Centre (VSSC), ISRO; DRS Consultants; RV University, Bengaluru; and IIT Bhubaneswar, focusing on recent advancements, practical challenges, and collaborative opportunities in stealth technologies.

The workshop was inaugurated by Prof. Prusty (UNSW); Prof. V. Pandu Ranga, Dean, Continuing Education; Prof. Dinakar Pasla, Dean, SRIC; and the coordinators Dr. Vijay K. Sutrakar, Scientist 'F', ADE, DRDO, and Dr. P. R. Budarapu, Associate Professor, IIT Bhubaneswar. In his inaugural address, Prof. Prusty highlighted the national importance of stealth technologies, while the Deans assured institutional support for future research initiatives. Financial support from DRS Technologies, New Delhi, and 3D Engineering, Pune, was also acknowledged.

Expert lectures were delivered by Prof. Prusty, Dr. B. Chowdhury (NAL), Shri S. Tribedi (ADE), Dr. M. Mohapatra (IMMT), Dr. S. K. Jalan (VSSC, ISRO), Prof. Rammohan (RV University), Dr. P. R. Budarapu (IIT Bhubaneswar), and Dr. Vijay K. Sutrakar (ADE, DRDO), covering composite technologies, aeroelasticity, advanced materials, structural dynamics, data transfer systems, and real-world defence challenges.

Overall, the workshop successfully brought together academia, research institutions, and defence organisations to advance understanding of stealth technologies and support India's goal of self-reliance and global leadership in defence research.

IIT Bhubaneswar Alumnus Wins Prestigious Filmfare Award

दैनिक भास्कर राजगढ़ 18-12-2025

और अधूरे निर्माण के कारण यहां आए दिन दुर्घटनाएं हो रही हैं।

हम विभाग से पत्र प्राप्त हुआ है। मार्ग निर्माण में बाधा बन रहे अतिक्रमण नोटिस जारी किए जा रहे हैं। जल्द अतिक्रमण हटाएंगे, ताकि सड़क का -लीलाधर सेन, मुख्य नगर परिषद अधिकारी।

सारंगपुर के लेखक परमार की शार्ट फिल्म 'डिवोराईस' को मिला पीपुल्स चाइस अवार्ड

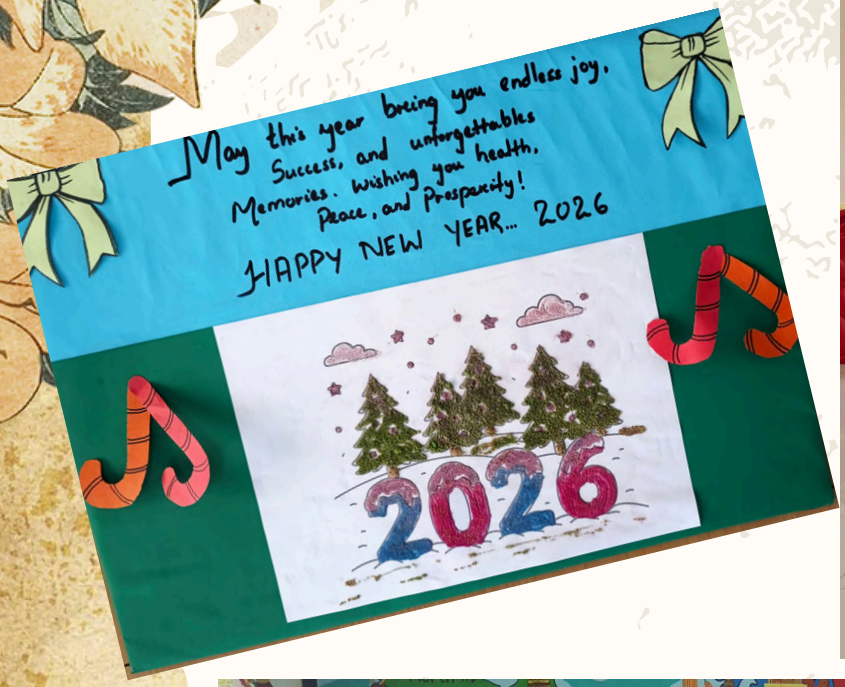
सारंगपुर। मुंबई में 15 दिसंबर को आयोजित फिल्मफेयर ओटीटी अवार्ड 2025 में शार्ट फिल्म 'डिवोराईस' को पीपुल्स चाइस अवार्ड दिया गया है। यह सम्मान दर्शकों की सीधी वोटिंग और पसंद के आधार पर दिया गया है। इस फिल्म के सह-लेखक संदीप परमार सारंगपुर तहसील के निवासी हैं। शार्ट फिल्म 'डिवोराईस' का लेखन संदीप परमार और राघव कंसल ने संयुक्त रूप से किया है, जबकि फिल्म का निर्देशन राघव कंसल ने किया। फिल्म की कहानी आज के समय में बदलते सामाजिक ताने-बाने, टूटते वैवाहिक रिश्तों और मानवीय संवेदनाओं को अत्यंत सशक्त, सजीव और संवेदनशील ढंग से प्रस्तुत करती है। ये दर्शकों को शुरुआत से अंत तक भावनात्मक

रूप से बांधे रखती है। फिल्म में हितेन तेजवानी, गौतम विग और स्नेह मिश्रा जैसे अनुभवी और प्रतिभाशाली कलाकारों ने अभिनय किया है। ग्राम आसारेटा निवासी लेखक संदीप परमार आईआईटी भुवनेश्वर से स्नातक हैं। वर्तमान में मुंबई में रहते हुए शार्ट फिल्मों के माध्यम से अपनी अलग और सशक्त पहचान बना रहे हैं। इससे पूर्व उनकी लिखी शार्ट फिल्म 'सी ग्रेड वाला' कई राष्ट्रीय स्तर के पुरस्कार जीत चुकी है। अब 'डिवोराईस' को देश के सबसे बड़े और प्रतिष्ठित फिल्म अवार्ड मंच पर पीपुल्स चाइस अवार्ड मिलना महत्वपूर्ण माना जा रहा है।

ये है फिल्म की कहानी: 'डिवोराईस' एक गहरी भावनात्मक शार्ट फिल्म है, जो आज के दौर में टूटते वैवाहिक रिश्तों की सच्चाई को बेहद सादगी और संवेदनशीलता के साथ सामने लाती है। यह फिल्म संवाद और भावनाओं पर केंद्रित है। कहानी के मुख्य पात्र क्षितिज और शरवरी एक युवा दंपती हैं, जो अपने तलाक की काउंसलिंग को जल्द खत्म करने के उद्देश्य से एक थेरेपिस्ट के पास आते हैं।

Mr. Sandeep Parmar, alumnus of IIT Bhubaneswar (2017), has won the prestigious Filmfare Award for his outstanding work on the short film "Divorce". From his days as a Governor of Cinematics Society (Cinewave) at IITBBS, winning at major film festivals to receiving several national and international accolades for his artistic work as an alumnus, Sandeep has struck a trailblazing career worthy of celebration. Congratulations Mr. Sandeep on this inspiring success and wish him the best in his future endeavors!

New Year Celebration by Vatsalya



Kendriya Vidyalaya IIT Bhubaneswar Celebrates Annual Function ‘NAVRANG 2025'

Kendriya Vidyalaya, IIT Bhubaneswar celebrated its Annual Function, NAVRANG 2025, on 16th December 2025, at the IIT Bhubaneswar Campus Auditorium, showcasing academic excellence, cultural vibrancy, and student creativity.

The programme began with the lighting of the lamp by the Chief Guest, Prof. Hirendra Nath Ghosh, Director, NISER, who encouraged students to pursue meaningful goals through scientific thinking, ethical values, and determination. The Guest of Honour, Prof. V. Pandu Ranga, Dean, Continuing Education, IIT Bhubaneswar, urged students to contribute to nation-building and explore opportunities in science and artificial intelligence. Shri Chakradhar Prusty, Principal, KV IIT Bhubaneswar, presented the Annual Report highlighting the school’s academic and co-curricular achievements.

A vibrant cultural programme featuring performances by students from Balvatika to Class X enthralled the audience. The event concluded with the felicitation of meritorious students and a vote of thanks, marking NAVRANG 2025 as a memorable and successful celebration.

Kendriya Vidyalaya IIT Bhubaneswar Celebrates 63rd KVS Foundation Day

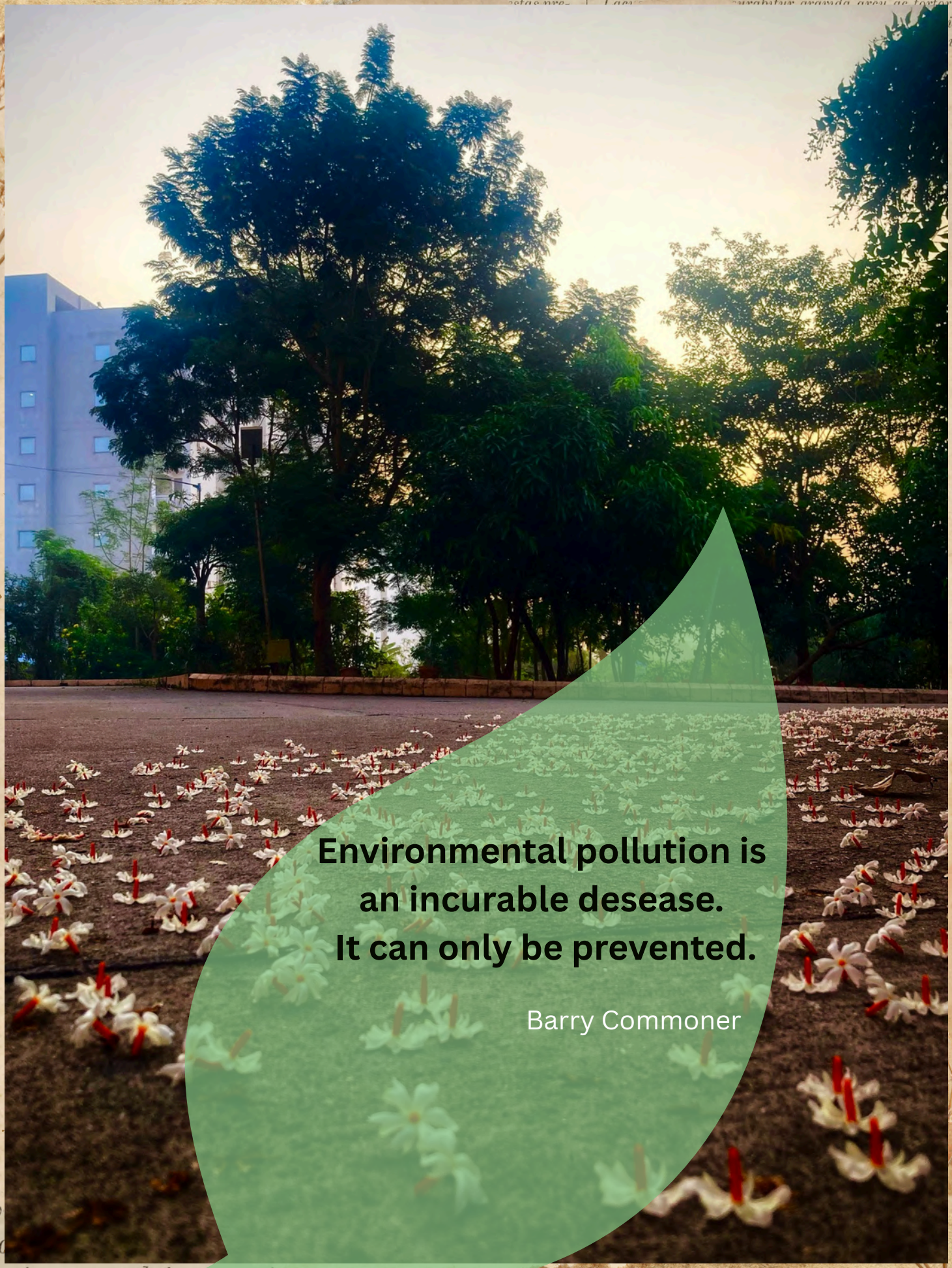
Kendriya Vidyalaya IIT Bhubaneswar celebrated the 63rd KVS Foundation Day with great enthusiasm and pride on 15th December 2025. The programme was graced by the Chief Guest, Shri Bamadev Acharya, Registrar, IIT Bhubaneswar, whose presence added significance to the occasion.

The celebration began with a warm welcome to the Chief Guest, followed by a series of cultural and educational performances presented by the students. These performances reflected the core values, discipline, and rich traditions upheld by the Kendriya Vidyalaya Sangathan, while showcasing the students' creativity and talent.

Addressing the gathering, Shri Bamadev Acharya appreciated the consistent efforts of Kendriya Vidyalayas in delivering quality education and nurturing responsible, value-driven citizens. He encouraged students to strive for excellence with dedication, integrity, and a spirit of service.

In his address, Shri Chakradhar Prusty, Principal, Kendriya Vidyalaya IIT Bhubaneswar, highlighted the significance of KVS Foundation Day and the pivotal role played by Kendriya Vidyalayas in shaping young minds across the country. He motivated students to pursue academic excellence alongside moral values and holistic development.

The programme concluded with a vote of thanks, leaving a sense of pride and inspiration among students, teachers, and staff, and reaffirming the institution's commitment to quality education and nation-building.


Environmental pollution is
an incurable desease.
It can only be prevented.
Barry Commoner