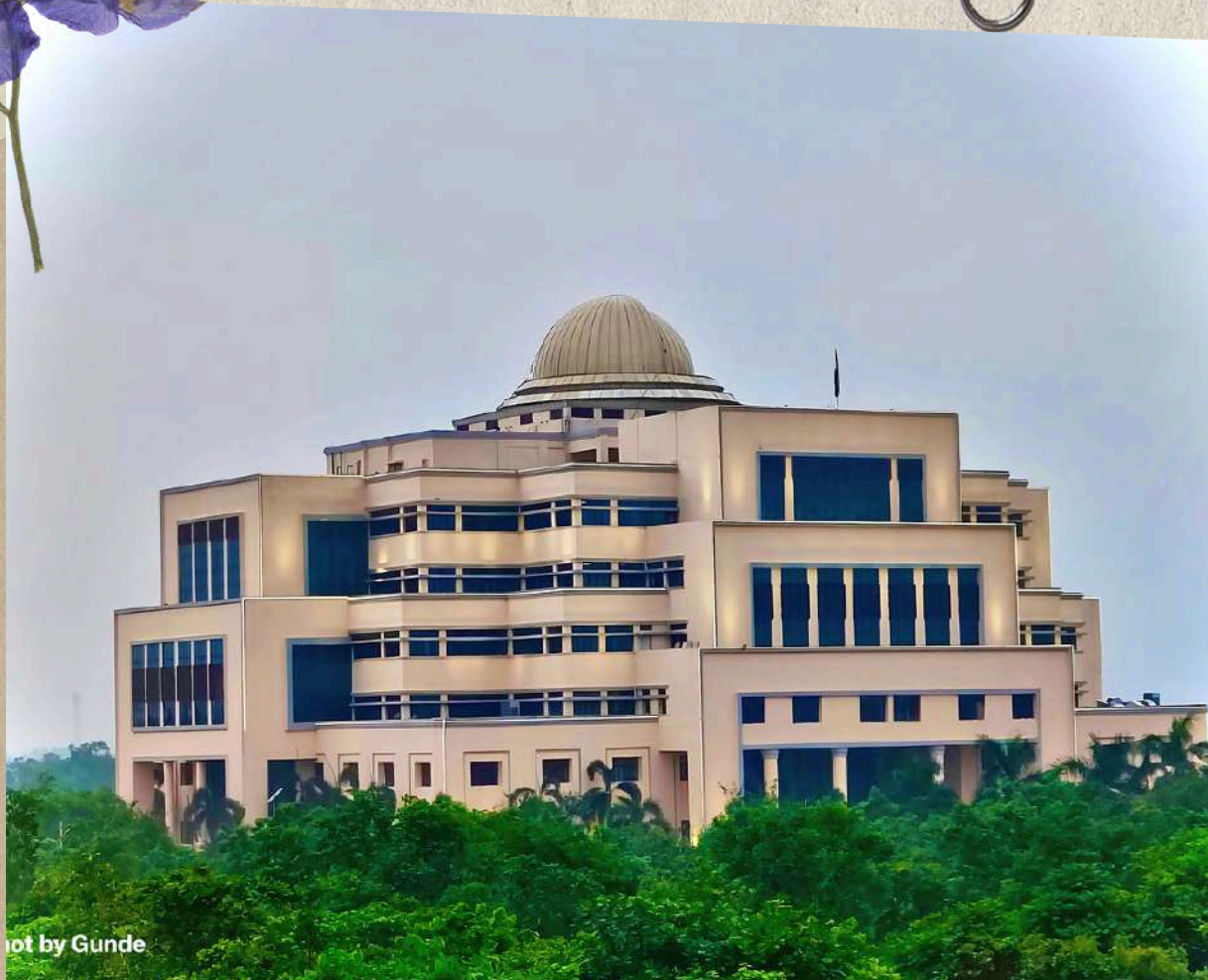


www.iitbbs.ac.in

IITBBS Express

Events • Achievements • Expressions

Vol. 33 : Published on 20/09/2025



not by Gunde

Picture Credit: Gunde Uday Kiran



Semiconductor Talent Primer Workshop

In a significant step towards strengthening India's semiconductor workforce ecosystem, IIT Bhubaneswar, in collaboration with SEMI, ESSCI, and IESA, hosted a two-day Semiconductor Manufacturing Primer Workshop on 31st July and 1st August 2025. The event united academia, industry, and government to address skill gaps in semiconductor manufacturing through hands-on sessions and discussions. Aligned with AICTE's new curriculum electives, the workshop featured modules on industrial safety, cleanroom practices, vacuum technologies, display systems, and advanced packaging.



Inaugurating the workshop, Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar, emphasized the strategic responsibility of academic institutions in enabling national self-reliance in semiconductors: "At IIT Bhubaneswar, we are committed to nurturing engineers who not only understand advanced technologies but are also equipped to innovate within them. This course offers students an opportunity to engage with the concepts and skills required for the practice of semiconductor technology - from understanding crystal growth of silicon carbide at 2400°C to exploring device-level concepts like Metal-Oxide-Semiconductor Field-Effect Transistor (MOSFETs). By combining interdisciplinary theory with hands-on skill-building, it reflects our alignment with the National Education Policy's emphasis on practical, skill-based learning."

The workshop featured Shri Manas Ranjan Panda, Special Secretary, Electronics & IT Department, Government of Odisha, who outlined the state's vision for a full-stack semiconductor ecosystem. He emphasized Odisha's commitment to chip design, fabrication, packaging, and talent development, highlighting IIT Bhubaneswar's role through progressive curricula and research. Initiatives like the Odisha Chip programme and global collaborations aim to bridge the talent gap and position the state as a hub for compound semiconductors and advanced packaging.



Dr. Ashwini K. Aggarwal, Chair of the Semiconductor Skill Committee at ESSCI, emphasized the need for industry-aligned education, highlighting electives on safety, cleanroom practices, vacuum tech, and packaging. He noted that the collaboration with IIT Bhubaneswar aims to equip students with practical skills for both the semiconductor and broader process industries.

The technical sessions were structured into four key modules, including semiconductor industrial safety, cleanroom and controlled environments, vacuum technology, and semiconductor packaging, providing a comprehensive view of the manufacturing ecosystem. A hands-on walkthrough of relevant infrastructure and interactive rounds helped participants connect theory with real-world applications.

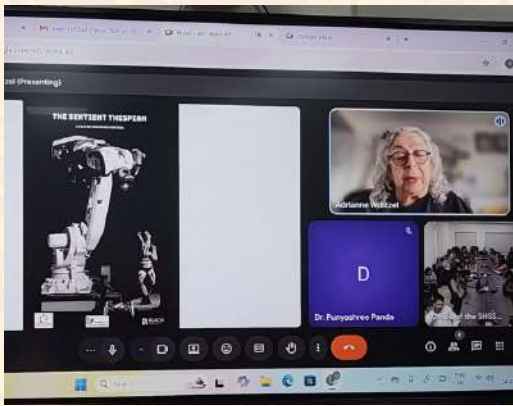
Dr. Sayan Dey, Assistant Professor at IIT Bhubaneswar, coordinated the workshop and reiterated the relevance and significance of this programme.

With its successful execution, the workshop marks an important milestone in IIT Bhubaneswar's contribution to India's semiconductor mission and the state's growing role in the national tech landscape.



Talk on 'The Spark of Life or Yearning For Sentience: Character Driven Narrative in Robotic Art'

School of Humanities, Social Sciences & Management (SHSSM) hosted Prof. Adrienne Wortzel, Professor Emeritus, Department of Entertainment Technology and Emerging Media Technologies at the New York City College of Technology, for a Virtual Talk on 24th July 2025.



In her talk titled 'The Spark of Life or Yearning For Sentience: Character Driven Narrative in Robotic Art', pioneering robotics artist Wortzel discussed and showed highlights of her work using mechanical avatars in performance pieces and videos. In her projects, robotic characters led the storytelling, blending real and fictional elements. These machines offered simple and sincere solutions to complex human problems. They highlighted how human and machine thinking had become more alike, especially in the way they approached and solved issues. The robots questioned the decline of binary thinking and the idea of defining someone or something as "the other." They also examined the pros and cons of human-made inventions, such as language, industrial products and waste, electronics, and the rise of psychoanalysis. Wortzel's work encouraged audiences to reflect on these systems and the role they played in shaping human life. By using robots in artistic and narrative settings, she invited viewers to think about the changing relationship between people and machines. Her work suggested that as machines became more human-like, they could help us better understand ourselves and the choices we had made through history. Overall, her performances and videos offered a unique way to explore the emotional and intellectual impact of technology on human identity and society.

The talk was organized by Dr. Punyashree Panda, Associate Professor, SHSSM.

Interactive Training Session for Non-Teaching Employees

A two-day interactive training programme was organised for the non-teaching employees of the Institute on 25th and 26th July 2025.

On the first day of the training programme, Dr. Arvind Kumar Drave, DoPT Certified Trainer enlightened the employees on Workplace Management concept of 5S. The 5S i.e. eiri (Sort), Seiton (Set in Order), Seiso (Shine), Seiketsu (Standardize), and Shitsuke (Sustain), commonly used by Japanese companies to enhance their productivity. He also imparted training on Work culture & Development of Attitude, Knowledge & Holistic transformation in Administration. Prof. Shreepad Karmalkar, Director and Shri Bamadev Acharya, Registrar graced the inaugural session and motivated the participants.



On the 2nd day of the training session, Deputy Registrars, Assistant Registrars of Establishment, Store & Purchase, and Accounts & Finance Section briefed the staff about the working of the section, which was beneficial to newly joined staff. Staff raised their respective queries which is addressed by the HoDs. This brainstorming session helps to understand and streamline the process to achieve productivity. In the end of the day Registrar sir edify the about conduct rules mentioned in IIT BBS Statues.



IIT Bhubaneswar welcomes new batch of students

IIT Bhubaneswar has welcomed the new batch of students with a great enthusiasm. Separate orientation programs for the students and parents for individual courses were organized by the Institute, followed by the admission process for the academic year 2025-26.

During the orientation programs, Prof. Shreepad Karmalkar, Director, introduced the new members of the campus to the unique features of IIT Bhubaneswar. Deans and Senior Faculty Members briefed the members about various academic and non-academic facilities of the Institute. The queries and concerns of the students and parents were addressed during these sessions.



The admission to different courses at IIT Bhubaneswar commenced in the last week of July 2025. As many as 473 students have joined in B.Tech, 248 in MTech., 102 in MSc., 15 in in MS by Research and 117 in the Ph.D. course. Out of these, 3 foreign students have enrolled as part of the 'Study in India' program. Also, 48 students have enrolled in the 2nd batch of the 4-year Integrated Teacher Education Program (ITEP).

Eye Screening Camp

A free Eye Screening Camp was organised by Lawrence and Mayo (pioneers in ophthalmic optics and instrumentation) in association with Sanjeevan Health Centre on 9th August 2025.



The camp provided various services including Visual Acuity test; Refraction by Autorefractometer; Subjective refraction using Snellen's chart; Cataract Screening; Recommendation of best suited lenses and frames and counselling on vision problems and valuable eye care tips. 145 persons including students, staff, faculty their dependents attended the camp and got benefitted.

Rangoli Competition under Har Ghar Tiranga

As part of the Har Ghar Tiranga Campaign, the Socio-Cultural Council of IIT Bhubaneswar organised a Rangoli Competition on 8th August 2025. Members of the Institute participated in this competition with enthusiasm.





Let Us Become a Proud Volunteer of the Biggest Nationwide Jan Bhagidari Andolan

Har Ghar Tiranga

2nd-15th August 2025

Participate and spread the fervour of Har Ghar Tiranga

Ministry of Culture Government of India



"Har Ghar Tiranga Abhiyan has become a unique festival in upholding the glory of the Tricolour"
~ Narendra Modi (Prime Minister)



Scan this for more information

Unite people in the thread of togetherness

Inspire them to hoist the National Flag at home

Upload Selfie with Tiranga on hargharktiranga.com

Rainy Rendezvous by Feminine Fusion

Celebrating the monsoon musings of the year, the members of the Feminine Fusion of the Institute organised Ladies Rainy Rendezvous programme with much enthusiasm. Delicious food, exciting games, self-care, and cozy conversations, along with a Shravan Mehendi Competition were the highlights of the event. Smt. Shruti Karmalkar, Advisor, Residents' Clubs, IIT Bhubaneswar graced the occasion.



इन काली सदियों के सिर से जब रात का आँचल ढलकेगा,
जब दुख के बादल पिघलेंगे, जब सुख का सागर छलकेगा,
जब अम्बर झूम के नाचेगा, जब धरती नरामे गाएगी,
वो सुबह कभी तो आएगी...

by Sahir Ludhianvi

When the veil of night lifts from centuries of darkness,
When sorrow dissolves and joy overflows,
When the sky dances and the earth sings,
That morning will surely come...

Picture Credit: Nilisha Biswal

