



Picture Credit: Dr. V. Vinoj

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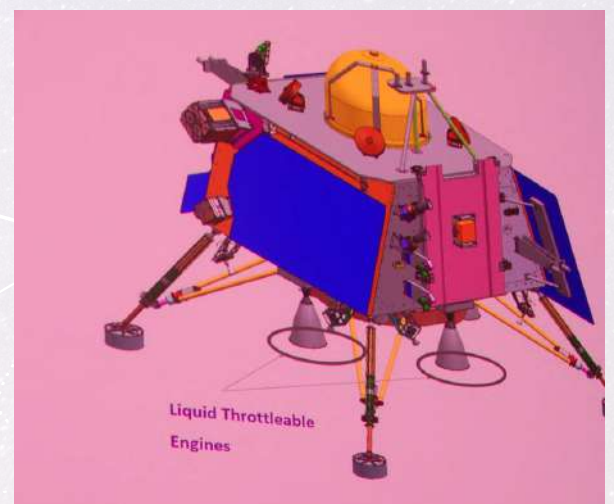
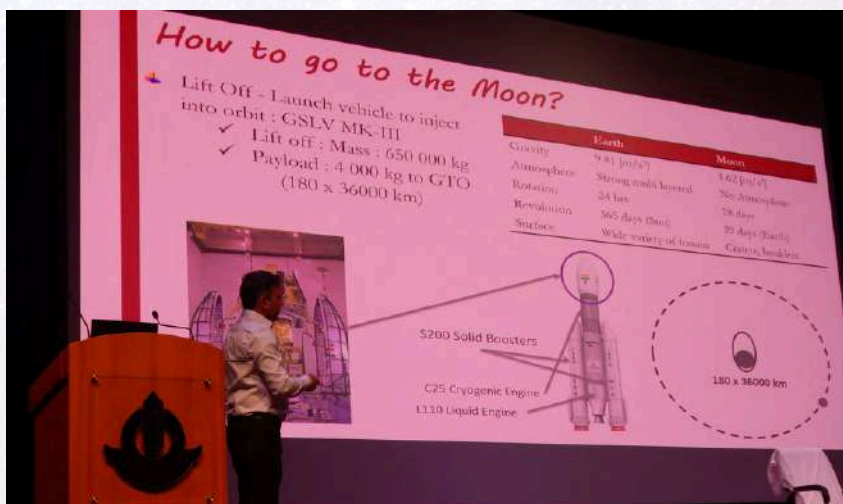


IIT Bhubaneswar celebrates ISRO's Unprecedented Journey to study the Moon and Sun on National Space Day

IIT Bhubaneswar joined the Nation in celebrating the first National Space Day on 23rd August 2024 as a commemoration to India's success of Chandrayaan-3 Mission last year. As part of the celebration, the Institute organized an insightful seminar on 'Chandrayaan-3 and Aditya-L1 Mission: ISRO's Unprecedented Journey to study the Moon and Sun'. Dr. Kuldeep Negi from ISRO addressed on this occasion and shared his experience.



Currently serving as a Section Head in the Flight Dynamics Group and Associate Project Director of Chandrayaan-4 at the U. R. Rao Satellite Center (URSC) of the Indian Space Research Organization (ISRO), Bengaluru, Dr. Negi is responsible for designing trajectories for Geo-Spacecraft, interplanetary and lunar missions. In his address, Dr. Negi explained: "Chandrayaan-3, India's third lunar exploration mission took off in fourth operational mission of LVM3 launcher. Chandrayaan-3 is a testament to India's commitment to space exploration. ISRO has set a benchmark by demonstrating soft landing on lunar surface by its lunar module and roving on the lunar terrain. Aditya-L1 Mission is an Indian first solar observatory at Lagrangian point L1. This pioneering venture involves deploying a spacecraft into a non-planar periodic orbit known as a halo orbit around the L1 Lagrangian point of the Sun-Earth system." He further added: "For any spacecraft mission from its cradle to grave, spaceflight trajectory design plays a significant role." He also focused on challenges in Chandrayaan-3 mission and spaceflight trajectory design with respect to the mission.



This seminar explained the target lunar orbit trajectory design for the Composite Module and then the multi-phase powered descent trajectory design for the Lander Module. Dr. Negi also highlighted that Aditya-L1's manifold-based trajectory design is instrumental in planning halo orbits around L1. The seminar concluded with a discussion on ISRO's strategic frontier for space exploration.



Prof. Shreepad Kamalkar, Director, IIT Bhubaneswar felicitated Dr. Negi on the occasion. Dr. Vijayakrishna Kari, Professor-in-Charge (Seminar) coordinated the programme. Faculty members, staff and students of the Institute participated in the programme in a large number.



Interaction with Incubatee Start-ups to mark World Entrepreneurship Day

As part of the World Entrepreneurship Day celebration, the Research and Entrepreneurship Park (REP) of IIT Bhubaneswar organised enriching interactive sessions for the students and about 30 start-ups incubated by the IIT. On this occasion, Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar engaged with the incubatee start-ups of REP, founders, and faculty entrepreneurs. The session provided a fruitful opportunity for the start-ups to share their journey, challenges, and innovative solutions directly with the Director, fostering a spirit of collaboration and mentorship.



On this occasion, Faculty entrepreneurs also contributed by presenting their research-led ventures and innovative products, adding depth to the discussions and inspiring our budding entrepreneurs.

Dr. Soobhankar Pati, CEO, REP IITBBS also addressed the gathering and assured the start-ups of full support for industry collaborations to accelerate their growth. It may be mentioned that his commitment to fostering strong industry connections adds a significant boost to the entrepreneurial ecosystem of the Institute.

The World Entrepreneurship Day celebration was filled with insights, inspiration, and collaboration, strengthening the entrepreneurial ecosystem at IIT Bhubaneswar.

IIT Bhubaneswar provides an insightful platform for students to embark on the entrepreneurial journey

The Entrepreneurship Cell (E-CELL) of IIT Bhubaneswar organized an interactive and insightful session on 'Entrepreneurship Day' paying homage to innovation, creativity and entrepreneurial success. This great day holds immense significance rewinding the achievements of many visionary entrepreneurs who have transformed industries.



Gracing the occasion as the Chief Guest, Mr. Brahmananda Mishra, President, Utkal Chamber of Commerce & Industry Ltd. (UCCIL)-Odisha addressed the gathering and shared his life experience in this innovative journey. Being an exceptional technocrat, an outstanding organizer and an inspiring leader, he emphasized the audience on the importance of entrepreneurship.

Speaking on the occasion, Prof. Karmalkar mentioned that more than 15% of the adult workforce is entrepreneurs in economically developed countries. Thus, entrepreneurship is necessary for economic development. Entrepreneurs are people who choose a life of challenge and risk over security and comfort. We must create value for such a lifestyle in India from childhood, if we want to promote entrepreneurship and thus propel economic development. Further, in developed countries, a large fraction of the research gets commercialized due to the presence of entrepreneurship related coursework in the curriculum of Higher Educational Institutions, and involvement of about 5% of the faculty in start-ups.



IIT Bhubaneswar has initiated several measures to develop the entrepreneurial mindset following these observations, Prof. Karmalkar said. The institute is building a Rs. 130 crore Research and Entrepreneurship Park of 13,500 square meter area that will provide co-working space and workshop facilities for 150 start-ups. Hon'ble Minister of Education launched the transformative 100-CUBE Start-ups initiative of the IIT BBS Research and Entrepreneurship Park (REP) in February 2024. This envisages the development of at least 100 start-ups of minimum Rs. 100 crore worth each by 100th year of Odisha, i.e. 2036. About 5% of the IIT faculty would contribute to these start-ups.

To achieve this goal, the institute has started a course titled 'Introduction to Research and Entrepreneurship' for all PhD and MS students to create a taste for research and entrepreneurship using interactive lectures, anecdotes, activities and discussions. Further, start-up ecosystem exposure visits and Concept to Commercialization workshops are planned for interested people within and outside the institute. A minor degree for programme on 'Innovation & Product development" has been introduced for B.Tech students. Regular sensitization meetings and workshops are planned for school students on a massive scale to inculcate entrepreneurial culture among the Odia populace right from the school days," added Prof. Karmalkar. He urged participants to come forward with their ideas and efforts to support the endeavours of IIT Bhubaneswar in this front.



The thought-provoking session began with the introduction of incubation policies by Dr. Soobhankar Pati, CEO of Research Entrepreneurship Park, IIT Bhubaneswar. Startup speakers, Mr. Ripam Barooah, Mr. Anirban Mohanty, Mr. P. Biswanath Patra joined the evening to give a motivational talk on qualities required to be an entrepreneur. Mr. Ripan Barooah, founder of Hopun Innovations shared his entrepreneurial journey with the audience. The Hopun Innovations are known for developing prototypes of solar-powered reverse trikes and other micro-mobility solutions. Mr. Anirban Mohanty, co-founder of Let's driEV, the company which is on a mission of redefining urban commuting for 18–25-year-olds with its innovative EV two-wheelers, perfectly crafted to fit the fast-paced lifestyle of the Snapchat generation, shared the essence of one's mindset in this entrepreneurial world. Mr. P. Biswanath Patra, co-founder of the Twinverse, platform that delivers a highly realistic and interactive experience, perfectly overlaying virtual clothing onto users, sighted about the motivation behind his entrepreneurial journey.



The programme was coordinated by Dr. Venugopal Arumuru, Professor-in-Charge of the E-CELL, who along with Prof. Rajesh Roshan Dash, Dean-Student Affairs, shared their insights on entrepreneurship. The program was primarily meant to sensitize students of the institute, who turned up in large numbers along with the faculty, to make the event successful.



Plantation drive as part of 'Ek Ped Maa Ke Naam' Campaign



IIT Bhubaneswar joined the Nation in the 'Ek Ped Maa Ke Naam' Campaign and organized a mass plantation drive in its premises on 24th August 2024. Around 150 members of the Institute participated in the drive with enthusiasm and vigour and planted more than 250 saplings at different locations in the campus.



Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar initiated and led the plantation drive. On this occasion, he administered the pledge to the students and other members present, to protect the environment. Members of the National Service Scheme (NSS), along with the employees of the Institute participated in this programme.

Among others, Shri Bamadev Acharya, Registrar, Dr. Sivaiah Bathula, Coordinator-NSS and senior members of faculty were present on the occasion. Dr. Srikanta Patra, Professor-in-Charge-Horticulture and Mr. K.V. Reddy, Horticulturist coordinated and participated in the event.





Kalakriti presents Etheria – The Annual Art Exhibition

Etheria, the much-anticipated annual art exhibition hosted by Kalakriti, the Fine Arts Society of IIT Bhubaneswar, was held on the 24th and 25th of August 2024. The event, celebrating creativity and artistic expression among the students of the campus, was a resounding success.

The exhibition showcased an impressive array of artworks, from intricate paintings and sculptures to grand murals. Each piece reflected the diverse talents and creativity of our student community.



A special highlight of Etheria 2024 was the participation of students from Kendriya Vidyalaya-IIT Bhubaneswar. Invited on the inaugural day, they were given a tour of the exhibition, where they had the chance to explore the various art forms on display. Their enthusiasm and curiosity brought a delightful energy to the event, and these young artists also took part in a friendly competition.

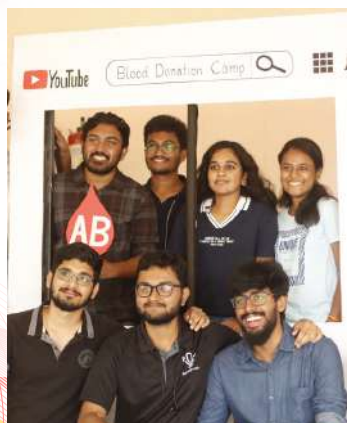


Another standout feature of Etheria-2024 was the pottery workshop, where participants had the chance to get hands-on experience, creating their own ceramic pieces. This interactive session was a favorite among attendees, allowing them to express their creativity in a tangible way.



UMEED 4.0 Blood Donation Camp

Souls for Solace-The Social Welfare Society of IIT Bhubaneswar and Wissenaire - The Techno management Fest of IIT Bhubaneswar, in association with HDFC Bank, successfully organized UMEED 4.0, a blood donation camp in the Institute premises on 25th August 2024. The event saw an overwhelming response with 230 donors stepping forward to contribute to this noble cause. The initiative aimed at raising awareness and providing support to those in need, reinforcing the spirit of community and compassion within the campus.



"கற்றது கைமண் அளவு, கல்லாதது உலகளவு."

"Katrathu Kai maan alavu, Kallathathu ulagaalvu"

"What we have learnt is just a handful of soil;
what we haven't learnt is as vast as the world."

(Original: Tamil)

by: Avvaiyar (ஓளவையார்)

