



**i360 NEWSLETTER**  
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*In Spotlight*  
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Indus Institute of Management Studies (IIMS)  
Indus University



## Alumni Meet 2024: Rekindling Memories, Celebrating Achievements



The Alumni Meet 2024, orchestrated by the Indus Alumni Association at Indus University on March 2, 2024, served as a nostalgic voyage down memory lane, reuniting alumni, faculty, and staff to commemorate their collective experiences and accomplishments. The event commenced with a warm welcome from the host, underscoring the pivotal role of alumni in shaping the university's legacy. Attendees were encouraged to reflect on cherished moments from their university days. The event commenced with Saraswati Vandana, setting a spiritual ambiance, followed by enlightening speeches from Prof (Dr.) Sandeep Chakrovarty, the esteemed executive president, who shared profound insights. The highlight of the evening was the presentation of the Alumni Awards 2024, which honored outstanding alumni achievements in various domains, including entrepreneurship, innovation, and professional excellence. Mr. Dhruv Patel was lauded with the Entrepreneurship, Business, and Innovation Award for his groundbreaking work in healthcare technology, receiving a plaque of honor and a cash prize of Rs. 75,000. Dr. Nil Patel was recognized with the Professional Achievement Award for his significant research contributions, also receiving a plaque of honor and a cash prize of Rs. 75,000. A personal message from Dr. Nil Patel added a touching element to the ceremony. The event also marked the introduction of the second governing council of the Indus Alumni Association, comprising esteemed alumni who will steer the association's activities and initiatives. Mr. Munjal Mehta, President of the Alumni Association, delivered an inspiring address, urging alumni to actively engage in the association's endeavors and contribute to its growth. A heartfelt vote of thanks was extended to all guests, organizers, and attendees for their unwavering participation and support, highlighting the significance of collective efforts in ensuring the event's success. In essence, the Alumni Meet 2024 epitomized the enduring bond within the Indus University community, fostering connections and igniting future collaborations.

## Unveiling Colonial Shadows

Dr. Raj Vedam delivered a thought-provoking talk at the Centre for Indic Studies, Indus University, on February 7, 2024, under the theme of "Colonial Exploitation and India's Economic Heritage." The discussion centered on the detrimental impact of British colonial policies on India's flourishing traditional economy. Through unequal taxation and duty systems, the British systematically dismantled India's economic structures to serve their own interests, disrupting the intricate societal systems of varna and jaati that had long been integral to India's economic prowess. Drawing on Economist Angus Maddison's research, Dr. Vedam illustrated how India had once dominated the global economy for approximately 1500 years since 0 CE. Additionally, the talk exposed the insidious agenda behind the Aryan Invasion theory, showcasing how it was intertwined with colonial ambitions.



## Deriving Insights from India's Educational Legacy

Sahana Singhji delivered an enlightening discourse titled "Deriving Insights from India's Educational Legacy" at Indus University on February 13, 2024. The lecture served as a poignant reminder of India's illustrious educational heritage, spanning from ancient epochs to the contemporary era. It is remarkable to reflect upon the extensive network of universities and educational institutions that once adorned the land of Bharat, catering to students of all scales, from grand establishments to modest centers of learning. These educational bastions not only enriched the lives of Indians but also radiated knowledge globally, evident in the diverse cohort of international students they attracted. This event serves as a timely call to reconnect with our historical roots and encourages us to delve into scholarly investigations of our past. Moreover, the speaker underscores India's historical role as a beacon of enlightenment, emphasizing the potential for further contributions to global knowledge dissemination.



## Powering Innovation by Exploring Embedded Systems

The Department of Electrical Engineering at IITE, Indus University, collaborated with AlphaTech Automation, Ahmedabad, to organize an expert session titled "Exploring Cutting-Edge Technologies in Embedded Systems (Microcontroller 8051, Arduino)." Dr. Vineeta Chauhan and Dr. Rashmi Sharma adeptly coordinated the session, ensuring its success.





## Empowering Sustainability

Dr. Rachna Patel participated in an International Conference hosted by the Department of Management Studies at Rajiv Gandhi Institute of Petroleum Technology on February 17 and 18, 2024, themed "Net Zero & Energy Transition for Sustainable Development." During the event, she delivered a research paper entitled "Carbon Footprint – Advocating for Awareness to Foster Sustainable Development."



## Electrical Engineering Excellence



In February 2024, Dr. Rashmi Sharma, Assistant Professor of Electrical Engineering, was honored with a 'Certificate of Reviewing' for her contributions to the Elsevier journal "Computers & Electrical Engineering."

## Empowering Women Entrepreneurs

The Indus Institute of Management Studies (IIMS), in collaboration with WDC, hosted a guest session featuring Mrs. Ruchi Chaudhary, Director of Shankus Group, on "Achieving Work-Life Balance for Women Entrepreneurs" on February 28, 2024, from 12 to 1 PM at the MBA seminar hall. The event was skillfully coordinated by Dr. Nirali Dave.



## Insightful Endeavors: Exploring Academic Contributions



Dr. Amrita Sharma, Assistant Professor at IICT, and Ms. Bhavana Hotchandani, In-charge Head of Department at IICT, co-authored a paper titled "Integrated Prediction Model for Software Effort of Diversifying Projects Using Machine Learning," which was published in the proceedings of the 11<sup>th</sup> International Conference on Intelligent Systems and Embedded Design (ISED) in Dehradun, India, in 2023. The paper spans pages 1 - 4 and can be accessed via doi: 10.1109/ISED59382.2023.10444589.





## Talent Hunt 2.0

The second edition of Talent Hunt, orchestrated by the ISAC Committee, unfolded as a diverse showcase of artistic excellence. Dance, music, drama, and fashion seamlessly intertwined, illuminating the rich tapestry of talent within our university. A total of 108 participants graced the audition phase, where our esteemed faculty, acting as discerning judges, guided the process with professionalism and expertise. Going beyond conventional categories, Talent Hunt 2.0 embraced a wide array of talents. Stand-up comedians delivered punchlines that resonated with humor, while poets infused their verses with emotions that stirred hearts. The ISAC members played an integral role in ensuring the event's success, with faculty coordinators including Prof. Sejal Thakkar, Dr. Tejal Shah and Dr. Sweta Shah overseeing the proceedings.



## Robo Reboot



"Robo Reboot" aimed to spotlight the latest advancements and creative applications in robotics, attracting participants from diverse academic backgrounds eager to explore this cutting-edge field. The event commenced with an enlightening introduction to robotics, laying the foundation for attendees to grasp fundamental concepts. Subsequently, the discussion shifted to Arduino, a crucial component in robotics, covering its structure, components, functionalities, and different types of Arduino boards. To foster collaboration and knowledge exchange, a networking session provided attendees with opportunities to connect, share insights, and build relationships within the robotics community. Additionally, guest speakers, including Joshi Shubham, Nandini, Garima Sharma, and Manan Vyas, delved into topics such as Introduction to Robotics, Arduino applications, the difference between Microprocessors and Microcontrollers, and Arduino's advantages, drawbacks, and projects.

## Season of Recruitments

A total of 81 students from various disciplines including B. Tech (CE/CSE/IT), MCA/MSc.IT, B. Tech (Mechanical, Metallurgy, Automobile), BA/IMBA, MCA/IMSc.IT, BSc. (CS), and B.Sc.DS were chosen, securing packages ranging from Rs. 3.60 LPA to Rs. 7.00 LPA.



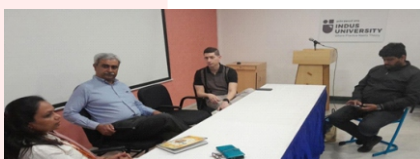
## Untangling Blockchain

On February 24, the Coding Club iSAC at Indus University hosted an engaging seminar in collaboration with Cypher Blockchain and Muse Community, delving into the fusion of web technologies and blockchain. The event, starting at 2 PM, commenced with Mr. Harshil Bhatiya introducing blockchain's significance in the digital realm. Mr. Vraj Desai from Huddle01 followed, showcasing the platform's features and security advantages, incorporating Gujarati elements to resonate with the local audience. Blockchain expert Mr. Harsh Ghodkar simplified Bitcoin's origins and workings, while Mr. Devanshu Saxena from Cypher Blockchain shared event details and hosted a giveaway session rewarding attendees with merchandise. Mr. Lakshay Gupta discussed Cypher Blockchain's vision, upcoming initiatives, and the innovative Cypher Game. During the event, Huddle01 and CypherBlockchain conducted challenges rewarding students with t-shirts and swag packs. The faculty coordinators expressed gratitude to all participants and presented mementos to Mr. Lakshay Gupta and Mr. Vraj Desai for their contributions. The seminar not only provided insights into blockchain but also facilitated networking with industry professionals from Cypher Blockchain, offering potential career pathways in the blockchain industry.



## Collaboration for a better future

The Dean of Lost Island University, a renowned institution in New York, USA, along with Mr. Anuj Parekh, paid a visit to our campus for a collaborative meeting with Dr. Falguni Tandel, Principal of IIPR, and the Deputy General Manager of Training and Placement on February 1, 2024.



## Engaging in Academic Advancement

Dr. Deepesh Dasani took part in the "One Week Online National Workshop on Systematic Literature Review, Bibliometric, and Structural Equation Modeling" held from February 27 to March 03, 2024, organized by HumanBehavtics Private Limited.



## Sonu Kumar's Artistic Triumph: Shining at the Jehangir Art Gallery Exhibition

Mr. Sonu Kumar's artistic prowess garnered recognition at the esteemed Jehangir Art Gallery exhibition in Mumbai, organized by the prestigious Bombay Art Society. This significant exhibition, marking the 132<sup>nd</sup> All India Annual Art Exhibition, unfolded from February 27 to March 4. The esteemed presence of Shri Ramesh Bias, the Governor of Maharashtra, as the chief guest, added further prestige to this noteworthy event.



## सेतुक 2024: Unifying Architectural Education and Practice

सेतुक 2024, held from March 4 to 7, 2024, aimed to bridge the gap between architectural education and practice. The event showcased the latest trends and collaborative methodologies in architectural practice, featuring discussions, competitions, and expert talks.

Day 1 commenced with an inauguration by Senior Prof. Ar. Leo Pereira and a keynote speech on Integrative Architectural Education and Practice. The event also included an exhibition of student work, a competition titled "Creative Clay," and talks by FIELD Architects and a panel discussion on Climate Responsive Design Solutions. Day 2 featured talks by Senior Architect Prof. Smit Vyas and Architect Malay Doshi, along with panel discussions on technology integration, sustainability, and design thinking. The day also included a Graffitecture competition. Day 3 concluded with a talk by Senior Architect Ar. Akshay Heranjal and a panel discussion, along with the ARCTECH2 competition.

Throughout the event, objectives were achieved through knowledge exchange, mentorship opportunities, and the celebration of research and innovation, fostering collaboration between students and professionals.





## Women's Day 2024: Celebrating the backbone of the society

The Women Development Cell at Indus University commemorated International Women's Day on March 2, 2024, with a series of impactful activities centered on empowerment and awareness. The day commenced with an enlightening Expert Session, in collaboration with the NSS Unit, titled "Gender Sensitisation and Violence against Women: Legal Protection in India," delivered by Dr. Niyati Pandey from GNLU, Ahmedabad. Attendees gained invaluable insights into legal frameworks safeguarding women's rights.

A heartwarming Gift Exchange Activity among faculty and staff members emphasized the importance of support and camaraderie within the community. An inspirational Podcast screening shared narratives of resilience and triumph, motivating and empowering all present.

The "Walk the Ramp towards Empowerment" event celebrated women's confidence and inner strength through a symbolic runway walk, promoting self-love and acceptance. The day culminated in a stimulating Group Discussion, providing a platform for participants to address key issues and brainstorm actionable steps for societal change.

Throughout the event, captured moments of participation and interaction reflected a spirit of unity and empowerment, affirming the collective commitment to advancing women's rights and fostering a more inclusive society.



## Instincts 2024: Celebrating College Life Day - I

The Opening Ceremony of Instincts 2024, the flagship annual festival of Indus University, orchestrated by the Indus Students Activity Cell (iSAC), commenced with fervor and excitement on March 02, 2024. The event epitomized the spirit of Instincts 2024, emphasizing the cultivation of creativity, collaboration, and innovation among students. Key events such as AETHOS, SPARX, and COLLYMPICS were introduced, promising a myriad of experiences and opportunities for participants. Mr. Sneha Bansia, President of iSAC, provided insights into Instincts 2024 through a presentation, followed by an address from Prof. (Dr.) Sandeep Chakravorty, the esteemed Executive President of Indus University, who delivered an inspiring message to the audience. Esteemed alumni, Mr. Manav Joshi and Mr. Dhruv Patel, delivered motivational speeches, highlighting their achievements and contributions. The ceremony was further enlivened by cultural performances, including captivating dance and singing performances by students, adding vibrancy to the event."



## Instincts 2024: Celebrating College Life Day - 2

At INSTINCTS 2024, the Puzzle Pursuit event organized by CESA on March 04, 2024, drew participation from over 100 teams, demonstrating their determination as they tackled challenging puzzles scattered across the campus. A highlight of the event was the Aero-modelling Workshop themed "Unleash Your Inner Aviator," where participants, under expert guidance, constructed and flew RC airplanes.



Market Mania provided students with a hands-on experience of real business scenarios by allowing them to set up stalls offering a variety of products and services.



Creative Clay offered students an opportunity to showcase their artistic flair through clay modeling, with the theme of re-imagining Ayodhya at Wardha House.



Caricatures, held in the front garden, provided participants with a chance to express their creativity through comic caricatures, sparking laughter among all.

The IoT Hackfest-Unleashing Solutions, hosted by ESync Association, focused on addressing real-world issues using IoT technologies, featuring solution presentations, demonstrations, and evaluations.





## Instincts 2024: Celebrating College Life Day - 3

**Culinary Clash:** A cooking competition evaluated dishes based on flavor, taste, and presentation, spotlighting students' culinary expertise and imaginative flair. Faculty and staff members also joined the culinary fray.

**Urban Artistry:** Graffitecture allowed students to express their creativity through cityscape paintings, capturing urban memories on canvas in a vibrant and artistic manner.

**Wordplay Challenge:** Guess A Word challenges teams to guess words without using reference words, infusing the atmosphere with excitement and laughter.

**Pixel Pictionary:** Teams engaged in an amusing game of guessing blurred images and doodling clues, putting their creativity and quick thinking to the test.

**Debate Dynamics:** Turn Court introduced dynamic debates where teams switched positions mid-discussion, injecting a fresh twist into the traditional debate format.

**Artistic Showdown:** Scribble-Dribble combined Bollywood and song guessing rounds with a lively game of Pictionary, fostering teamwork and creativity among participants.

**Marketing Mayhem:** Pro Shark witnessed students showcasing their creativity and marketing prowess in developing innovative advertising and sales strategies.

**Gaming Galore:** BGMI enthusiasts showcased their gaming prowess in three rounds of intense gameplay, fueling excitement and competitive spirit.

**Robotic Rivalry:** Robo FIFA featured cutting-edge robots competing in a futuristic soccer match, highlighting precision, strategy, and robotic talent.

**Code Conundrum:** DarkCode Hunters tested participants' coding skills by writing code with screens turned off, demonstrating their problem-solving abilities.

**Design Duel:** Halt and Grind challenged teams to showcase their creativity and teamwork in a logo creation event, putting their software knowledge and design skills to the test.

**Engineering Challenge:** Bridge Scene saw students demonstrating their calculation, design, and structural knowledge in a bridge-building competition, adding an element of engineering fun to the day.





## Instincts 2024: Celebrating College Life Day - 4

**Hidden Gems Expedition:** Participants embarked on an exhilarating quest to uncover concealed treasures scattered across the campus, fostering teamwork and honing problem-solving abilities.

**Emergency Response Challenge:** Rescue Warrior saw students showcasing their rescue prowess in simulated scenarios, demonstrating their adeptness in handling emergency situations with precision.

**Financial Finesse:** In Capital Crunch, teams put their decision-making and investment strategies to the test, endeavoring to revive struggling companies from financial setbacks, thereby challenging their financial acumen.

**Talent Spotlight:** HR Hustle provided a platform for participants to exhibit their creativity, presentation skills, and adaptability in various HR scenarios, showcasing their preparedness for real-world challenges in the field of human resources.

**Narrative Odyssey:** Tell-a-tale, a storytelling competition, emphasized communication, listening, and memorization skills, offering participants an enjoyable and enriching experience immersed in the art of storytelling.



## Instincts 2024: Celebrating College Life Day - 5

The Ramat Gamat 2.0, organized by the Rotaract Club of Indus University, proved to be a crowd-pleaser, featuring classic games like Satoliyu, Tyre Race, Kancha, Three-Legged Race, and Rumaal Chor. Faculty, staff, and students relished the opportunity to take a break from their daily routines, fostering a sense of unity and camaraderie. The event served as a reminder of the significance of balance and leisure in our lives.



## Rhapsody 2024

Rhapsody 2024 commenced with "Mic-Magic-Melee," featuring enchanting musical performances spanning various genres. This was followed by "Floors of Fire," which showcased captivating dance routines, and "Glamour Gala," where participants graced the runway with unique fashion statements on March 7, 2024. The event boasted enthralling performances, including musical showcases by Anushka, Saanvi, and Taalsen, alongside mesmerizing dance performances by Astha, Hairnishree, Tushar, Honey, and the Aviation girls. Neel, Harsh Jain, Prithviraj, Jay Pathak, and Harsh Limbani also displayed their diverse musical talents, while Dhruva, Keshvi, Vaishnavi, Sneha, and Anmol's group delivered exhilarating dance routines. Glamour Gala took center stage with three rounds of the Fashion Show, showcasing the participants' creativity and style, along with the ISAC Fashion Show. Rhapsody 2024 presented a dynamic blend of musical prowess, captivating dance performances, and striking fashion displays. The event concluded with the felicitation of judges and the distribution of prizes, acknowledging the exceptional contributions of all participants.

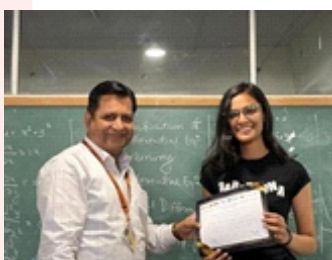


## Science Fest 2024



The Indus Science Fest-2024 took place from March 5th to March 6th, 2024, featuring various scientific competitions and activities.

**Day 1:** Over 250 students from different universities registered for lectures and competitions. Inaugural Session commenced with Saraswati Vandana and Lighting of Lamp by distinguished guests. Dr. Krishna Chandra Roy emphasized the significance of Indian physicist Sir C. V. Raman's contributions to science. The session featured speeches by notable guests, including Dr. Arvind C. Ranade, Prof. K. N. Joshipura, Prof. Shaswat Padalia, and Ms. Gayatri Prajapati.



**Scientific Competitions:** Scientific Rangoli, Poster Presentation, Sci-Innovators, and Scientific Models competitions were held, showcasing students' talents and creativity.

**Day 2 :** Science Scavenger Game: Organized with enthusiastic participation from 77 students, testing their knowledge and problem-solving abilities.

**Sci-Toons Competition:** Students displayed their artistic skills through cartoon drawings related to science concepts.



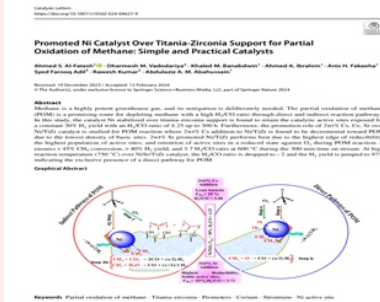
**Debate on Science:** Engaging discussions on scientific topics with active participation from 32 students, showcasing their critical thinking and communication skills. Overall, the event was a resounding success, promoting scientific learning and fostering creativity among students from various universities.

## Women Leadership in Business

Miss Radhika Bhandari, the esteemed Dean of Aviation and Director of WIIA, has been invited to participate as a distinguished panelist in a panel discussion hosted by the Sanand Industries Association. The event, focusing on "Women Leadership in Business," is set to mark International Women's Day on March 8, 2024. We offer our sincere congratulations to Miss Radhika Bhandari for this significant recognition and for her invaluable involvement in advancing the dialogue on women's leadership in the business realm.



## Quality Publication



Dr. Rawesh Kumar, an Associate Professor of Chemistry at IISHLS, has recently authored a research paper titled "Promoted Ni Catalyst Over Titania-Zirconia Support for Partial Oxidation of Methane: Simple and Practical Catalysts." This paper has been published in the internationally renowned SCI-indexed journal "Catalysis Letters," which is published by Springer with an impressive Impact Factor of 2.9. Readers can access the article through the following DOI link:  
<https://doi.org/10.1007/s10562-024-04627-9>.

## Investment in Cryptocurrency

Indus Institute of Management Studies (IIMS) at Indus University organized a significant expert lecture on "Cryptocurrency as an Investment Option" on March 11, 2024. Dr. Amit Rajdev, an Associate Professor from the Faculty of Business Commerce at Atmiya University, Rajkot, delivered this insightful session, customized for MBA and IMBA finance specialization students. The event was efficiently coordinated by Dr. Rajeshkumar Kiri, an Associate Professor at IIMS, under the expert supervision of Dr. Umang Patdiwala, the Head of the Department at IIMS.

## Donate Blood, Save Lives

Driven by the values and principles ingrained in the ethos of Indus University, we persistently champion the betterment of society. With this mission in mind, the Indus Student Activity Cell (iSAC) and Rotaract Club of Indus University (RCIU) joined hands to organize a Blood Donation camp at the university premises in Ahmedabad on March 13, 2024, in collaboration with Prathama Blood Center, Ahmedabad. The esteemed Executive President inaugurated this noble initiative. Over 200 students and faculty members enthusiastically participated in this blood donation drive, exemplifying our commitment to serving the community.

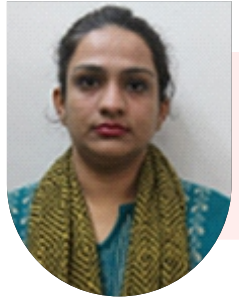




## Understanding Data Analytics



Ms. Vaishali Patel and Ms. Honey Shivnani took part in the National Faculty Development Program on Data Analytics using Power BI and Tableau. The program was organized by the Faculty of IT and CS at Parul University, Gujarat, Atria Institute of Technology in Karnataka, and Amity Pune in Maharashtra, in collaboration with ExcelR Edtech Pvt. Ltd. The event spanned from March 11 to March 15, 2024.



## Navigating Fintech



Lieutenant (Dr.) Parshva Shah participated in a Faculty Development Programme titled "Fintech Horizon: Navigating Futuristic Financial Innovation" on March 15 and 16, 2024. The event was organized by Kaushalya - The Skill University, Ahmedabad.

## Train the Trainer

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## Big Data Analytics



Dr. Disha Parekh presented an expert lecture titled "Big Data Analytics and Artificial Intelligence" to Ph.D. candidates at Sardar Vallabhbhai Global University, Ahmedabad, on March 17, 2024, spanning two hours.

## Latest Doctor in Town

Assistant Professor Mr. Vijay Shankar Yadav from the Physics department at IISHLS successfully completed his PhD Viva-Voce Examination on March 12, 2024. His thesis titled "Control of Edge and Scrape-Off Layer Tokamak Plasma Turbulence" was defended at the Institute of Plasma Research (IPR) in Bhat, Ahmedabad, under the guidance of Dr. Nirmal Bisai and Prof. A. Sen.



## Unveiling Nestle's On-Campus Parlor: A Partnership in Progress



A team from Nestle, led by Mr. K. Kishore, Western Region Zonal Head, along with Mr. Amit Verma, Head-HR of ISGEC Hitachi Zosen Pvt. Ltd., Bharuch, visited the campus to inaugurate the On-campus Nestle Products parlor on March 4, 2023. This initiative was made possible through collaborative efforts between the DGM-T & P and the national Head-HR of ISGEC Hitachi Zosen – Mr. Amit Verma. During the visit, Mr. Amit Verma, along with the DGM-T&P, had a meeting with Dr. Ishbir Singh, Director-IITE, and Dr. Sujoy Choudhary, Dean-Research, engaging in productive discussions. Furthermore, Mr. Verma extended an invitation to both the Director-IITE and the Dean-Research, along with the DGM-T&P, for a visit to their plant at Dahej.

## Global Horizons: Empowering B.Tech Scholars for Overseas Opportunities

Disha Counselors, Ahmedabad, organized an Overseas Education Awareness Session for B.Tech students (6th semester) on March 14, 2024, in the auditorium. The session, led by Mr. Anuj Parikh, Managing Director, attracted nearly 500 students from various branches of B.Tech. The event received full support from the Director of IITE and Faculty Coordinators from different branches, coordinated by the T & P Department. Mr. Anuj Parikh enlightened students about the processes and requirements involved in pursuing master's programs abroad, with a focus on the US and Canada.



## Empowering Futures: Preparing for Success with the Recruitment Task Force



*"The Recruitment Task Force, including Mr. Sagar False, National Head, Mr. Arun, State Sales Head-Gujarat, and HR Manager Ms. Moumita Vhakraborty, paid a visit to Indus University on March 15, 2024, to deliver a pre-placement briefing to the students of IIMS (MBA/IMBA/B.Com). The session, facilitated by the T & P Department and endorsed by the HOD-IIMS and Faculty Coordinators, aimed to prepare students for upcoming placement opportunities."*

## Exploring Global Horizons: Collaborative Initiatives with Global Study Reach

*"On March 15, 2024, a delegation from Global Study, Ahmedabad, comprising Ms. Anar Patel, Director, and Mr. Pinal Prajapati, BDM, visited the campus. They engaged in discussions with the DGM - T & P and other team members, providing insights into Overseas Education opportunities in Australia, Canada, and the US. Additionally, they expressed interest in establishing collaboration between Global Study Reach and Indus University. Following the meeting, the DGM - T & P requested them to submit a comprehensive proposal for further consideration by the University authorities."*



## Empowering Futures: Careerline's Soft Skills Workshop Proposal



On April 19, 2024, Ms. Ruchika Sharma, Business Development Manager & Public Relations Officer at Careerline, Ahmedabad, held discussions with the DGM - T & P and the placement team. She provided a comprehensive overview of Careerline and discussed the potential of organizing a workshop on soft skills training for graduating students across all streams in 2025. Emphasizing it as a CSR initiative with no financial implications, Ms. Sharma was requested by the DGM - T & P to submit a detailed proposal outlining the workshop's deliverables, modules, and other specifics at the earliest opportunity.

*Ayodhya*  
*Ram Mandir*





## Electronics Waste: Challenges and Management Strategies

### -Dr. Rajeev Mathur, Director IICT, Indus University

Generation Z (Gen Z) or Zoomer is fond of the latest and trending electronics gadgets available in the market; be it e-watch, bluetooth earbuds, party box and so on. We all are living in a 'digital age' where it has become necessary to use all electronics items in our day to day. As technology changes, we also replace the electronics gadget with older ones. BUT where this replaced the older electronics gadget goes, have we thought about it? We have given the biggest challenge to the world in the form of 'E-Waste'.

E-waste or Electronic waste refers to electronic products that are not working, are unwanted, near the end of their life span. Examples of E-waste include Computers, televisions, VCRs, stereos, copiers, fax machines, etc. Electronic or electrical devices are turning into waste as a result of technology upgradation. Most common e-waste elements are mobile phones, computers, laptops, hard drives, fans, microwaves, DVDs, printers, lamps, etc.

E-waste is a serious issue for our environment because it releases harmful toxic chemicals from the metals due to chemical reactions and these toxic chemicals harm our environment. Management of such a type of waste is known as E-waste management.

#### Key facts about e-waste(Source WHO)

- E-waste is the fastest growing solid waste in all the countries of the world.
- In 2019, an estimated 53.6 million tons of e-waste were produced globally, but only 17.4% of it was documented as formally collected and recycled.
- When e-waste is treated using inferior activities such as open burning, dismantling; it can also release as many as 1000 different chemical substances into the environment, including harmful neuro-toxicants such as Lead.
- E-waste recycling activities may have several adverse impacts on human health. Children and pregnant women are particularly vulnerable. The International Labour Organization (ILO) estimates that 16.5 million children were working in the industrial sector in 2020.
- The Global E-waste Monitor,
- 2017 published by the United Nations University estimated that India generates about 20 lakh tons of e-waste annually, nearly 82% of which is personal devices.

#### Sources of E waste:

E-waste typically consists of plastics, metals, cathode ray tubes (CRTs), printed cables, circuit boards, and so on. The valuable metals like copper, silver, gold, and platinum can be reused from e-wastes once they are scientifically processed. The presence of toxic substances like liquid crystal, lithium, mercury, nickel, selenium, polychlorinated biphenyls (PCBs), arsenic, barium, brominated flame retardants, cadmium, chrome, cobalt, copper, and lead makes it very hazardous, in case e-waste get dismantled and processed in a crude manner with the rudimentary techniques.

The computers, mainframes, servers, monitors, printers, scanners, compact discs (CDs), copiers, calculators, battery cells, cellular phones, fax machines, transceivers, TVs, medical apparatus, iPods, refrigerators, washing machines, and air conditioners are examples of e-waste when they become unfit for its use. The presence of highly toxic substances and heavy metals like mercury, lead, beryllium, and cadmium pose a significant threat to an environment even in minute quantities.

#### Challenges Posed by e-Waste:

E-waste poses a huge risk to humans, animals, and the environment.

## Electronics Waste: Challenges and Management Strategies -Dr. Rajeev Mathur, Director IICT, Indus University

Effects on Air, Water, and Soil:

- When electronic items containing heavy metals are improperly disposed of, the heavy metals present in the item leach through the soil and reach groundwater channels such that water gets polluted.
- For obtaining gold and other precious metals, burning of e-waste in open landfill produces particulate matter in the environment which gives rise to the air pollution.
- Since, the chemicals released by e-wastes are not biodegradable; they persist in the environment for a long time, increasing the risk of exposure to humans & animals.

### Effect on Health:

- Particulate material in the environment due to burning of e-waste causes cardio-vascular and pulmonary ailments in children and harms pregnant women the most.
- Drinking water contaminated with lead affects the central and nervous system and causes poor brain growth, dwarfism, hearing disability, and impaired formation and function of blood cells.

### E-Waste Management:

E-waste recycling is basically classified in two sectors

**1- Informal Sector:** Informal sector worker means- thousands of poor households earning a living from scavenging materials from waste dumps. Informal sector buyers are often known as 'kabadiwalas' in Indian context. Informal recycling is done by these workers which is hazardous for environment & health. Also, Informal sector workers segregate the waste materials and sell the waste as an input material to artisanal or formal recycling centers (Formal sector).

Following unsound practices are used by informal workers which poses risk to human health:

- scavenging
- dumping on land or in water bodies
- landfilling along with regular waste
- opening burning or heating
- stripping and shredding plastic coatings
- manual disassembly of equipment.

We, the consumers, sell unused or obsolete electronic items to informal sector workers. **Consumers** could be the key to better e-waste management in India.

**2- Formal Sector:** A proper organized recycling unit, which uses nonpolluting methods of processing e-waste is called the formal sector. But it has several challenges.

### Challenges for E-waste Management in India:

Biggest challenge of the formal sector is that it does not get the required amount of e-waste for recycling, the reason for this is that consumers do not donate the e-waste, like in advanced countries. Every consumer wants to sell e-waste. Following web of challenges are posed by us.

*Poor Recycling Infrastructure for E-waste:* Governments approved formal e-waste recycling centers are very less in the country, it only constitutes about 1/5th of the total amount of e-waste generated each year. Also, existing centers operate much below their capacity due to poor supply of e-waste.

*Lack of Public Awareness and Financial Incentives:* There is a lack of public awareness of 'e-waste hazards', Information about e-waste collection centers and recycling centers is also not public. Few cities have few dedicated collection depots or formal recycling centers, where consumers can voluntarily drop-off the e-waste.

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*Data on E-waste Generation:* No accurate data is available on how much e-waste quantity is generated in the country. The sales data of electronic products is an only input for the estimation of e-waste quantities.

*Mismanagement in Market for the End-of-life Products:* Entry of private players to set up e-waste management systems (formal recycling center) in a formal sector is restricted due to absence of certainty about availability of sufficient e-waste for full capacity running.

*Informal Sector Practices:* Informal sector working on recycling of e-waste could not be stopped because it may affect the lives of thousands of poor people.

*Inadequate Regulatory Design and Enforcement:* Lack of specific policy and lack of regulations that specify, elaborate standards and processes for other formal & informal sector e-waste consumers, e-waste collectors & recyclers exists. Agencies to enforce compliance of regulations with specific standards is also required.

### **Robust mechanism E-waste Management in India:**

It is a most challenging task and we are constantly trying to bring effectiveness in e-waste regulation and management. Following few measures can be considered to bring changes.

**Strengthen the Informal Sector:** First, we must recognize the informal sector and try to bring them into the mainstream by including them in the formal sector. The government must initiate this by consulting them through NGOs. The forums can be constituted under the Ministry of Environment.

**Extended Producer Responsibility (EPR) policy:** EPR means that the producers take responsibility for the entire lifecycle of their products especially in the take-back, recycling, and final disposal, of their products, including its packaging. Govt. should implement EPR and ensure that this policy must also include (a) Subsidy to the consumers to deposit their e-waste at designated centers, (b) Directly funding recyclers (c) Assist informal sector workers in training or skill development.





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**Regulatory Enforcement:** The State and [Central Pollution Control Board](#) should monitor and enforce compliance of the policy in appropriate manner.

**Import of E-waste:** Under the existing regulations, e-wastes are not allowed to be imported for final disposal but can be imported for reuse and recycling. Imports are required so that Recycling plants can run to their full capacity.

**Public Awareness:** E-waste management could be best managed if people are well aware about its harmful effects on health and environment through social media, websites etc. Awareness about appropriate disposal practices, e-waste collection centers etc must also be publically available to all the consumers. Moreover, stricter guidelines/regulations for the producers to make consumers aware about e-waste should be implemented.

E-waste management is a great challenge for governments of most of the countries in the world. It is becoming a huge public health issue and is exponentially increasing by the day. E-waste has to be collected separately, treated effectively, and disposed of. Conventional landfills and open burning should be stopped for e-waste management. Informal sector & the formal sector essential to be integrated for better management of e-waste. The competent authorities in developing countries like India need to establish mechanisms for handling and treating e-waste safely and in a sustainable manner.

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## *Congratulations*

### **Ms. Vyas Abheepsa Chirag**

for defending her Ph.D viva voce entitled  
A Sense of Place in African-American  
Community Analyzed Through the  
Autobiography of Maya Angelou” on  
13<sup>th</sup> February, 2024  
under the guidance of  
Prof. Dr. Ritendra Sharma at  
Indus University.”

“

## *Congratulations*

### **Ms. Khushbu Vijaysinh Maurya**

for defending her Ph.D viva voce entitled  
“Study on Machine Learning Model for  
Mangroves Spectral Signature Identification  
and Biophysical Parameters Estimation using  
Hyperspectral Remote” on  
4<sup>th</sup> January, 2024  
under the guidance of  
Prof. Dr. Seema Mahajan at  
Indus University.”

### **Please share your qualification and expertise.**

*I have done Diploma in Mechanical Engineering from Jamnagar, B.Tech in Mechanical Engineering from B.V.M College, V.V.Nagar, M.Tech from IIT Madras, Ph.D from Kadi Sarva Vishwavidyalaya and M.B.A from IGNOU. I am Gold Medalist in M.Tech, my expert areas are Thermal Engineering and Science, Turbo Machine and Human Resource Management.*

### **What inspired you to be an academician?**

*I was very humbled with my learning experience at IIT, Madras. I felt a serious need to contribute back to the society which was possible only by being an academician.*

### **Can you share your professional journey, please.**

*I have total 23 years of experience, 22 in academic field and 1 in corporate. I like to teach and guide students. When they enter in this field their mind and heart is filled with many hopes and expectations. I try to counsel them in best possible way for both their personal and professional life.*

### **Would you elaborate your expertise in Research.**

*I received Gold Medal for research in Turbo machine. I have published 40 papers, 1 book, and translated 1 book in NPTEL, Swayam Platform. I have one design patent granted and have received 6 lakhs grant for students from SSIP. I take pride in my student's achievements. One of my students also received Gold medal for project on Turbo machine, I am happy that he is currently in Canada. Another of my students completed Ph.D and 9 students have completed M.Tech. I enjoy guiding my B.Tech and M.Tech students.*

### **Sir, your colleagues call you as 'People's Person', can you share your views.**

*I believe that, if you connect with more people, you need to understand their problem. I enjoy being with them in their joy. I strongly believe in team work and to maintain it, it is good if you connect and talk to them.*

### **Can you please share your Journey at Indus University.**

*I have been working with this University since the last seven years. I am inclined towards research and here I got this platform to explore much in Research areas.*

### **Can you please share your passion in life.**

*I am very much into Reading and cycling since childhood. As and when time permits, I enjoy swimming too.*

### **Could you share your professional Inspiration?**

*My teachers played vital role in shaping my career. Professor Shekh, Professor. Dr. M. Govardhan from IIT Madras, and my Ph.D guide Dr. P.K.Shah.*

*In line he can be described as a person who believes in "Lets us Grow Together" "Sabka Saath Sabka Vikas".*





## Glimpses of 8<sup>th</sup> Convocation - 29<sup>th</sup> February, 2024







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Wishes from Team i360  
for Shree Ram Navmi  
& Shree Hanuman Jayanti