SUSTAINABLE DEVELOPMENT GOALS

KIIT Sustainable Development Report 2024

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

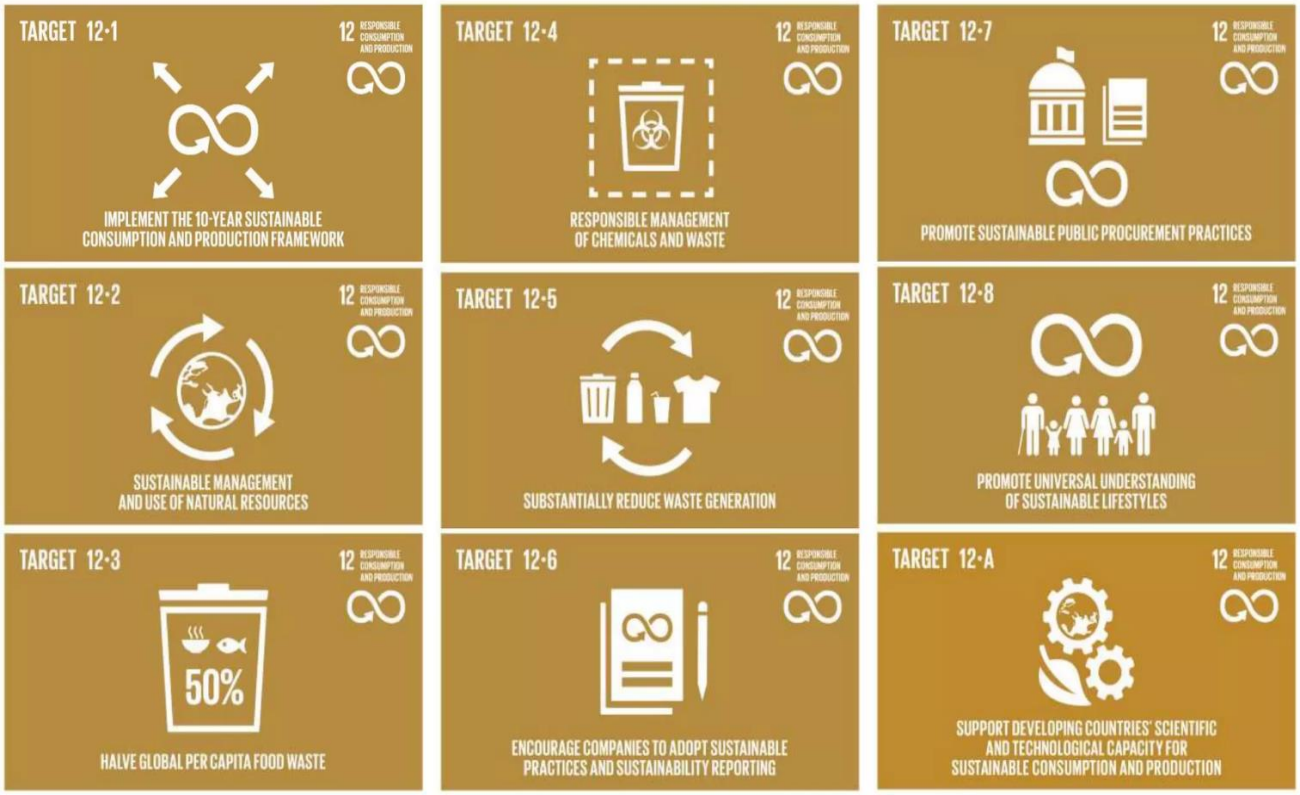
KIIT Deemed to be University

(Declared U/S 3 of UGC Act, 1956), Bhubaneswar, Odisha, India

12. Introduction

KIIT University is strongly committed to **SDG 12 – Responsible Consumption and Production** through research, policies, and sustainable practices that promote environmental responsibility. The university conducts research on sustainable consumption, circular economy models, and efficient resource management to develop innovative solutions for reducing waste and promoting responsible production practices. KIIT implements an ethical sourcing policy, ensuring that materials and services are procured from responsible and sustainable sources. Strict policies govern the disposal of hazardous materials and landfill waste, prioritizing safe and environmentally sound methods. The university has clear policies aimed at minimizing plastic use and reducing disposable items across campus, encouraging reusable alternatives and sustainable service extensions. These minimization practices are also extended to suppliers, promoting sustainability throughout the supply chain. A comprehensive waste tracking system ensures accurate monitoring and management of waste generation and disposal. Through these integrated efforts, KIIT promotes responsible consumption and production, contributing to long-term environmental sustainability and resource efficiency.

The SDG 12 (Responsible Consumption and Production) report focuses on the progress, key initiatives, and impact achievements across the following targets:



12.1 KIIT's Commitment to SDG 12 (Responsible Consumption and Production): Research Publications, Patents Filed, Global Collaborations, Citations Received, Events Organized, and Community Activities – Key Figures

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

THE GREATEST THREAT TO OUR PLANET IS THE BELIEF THAT SOMEONE ELSE WILL SAVE IT

ROBERT SWAN

82+ RESEARCH ARTICLES (2024)

76+ NATIONAL COLLABORATORS

18+ RESEARCH PROJECT

21+ PATENTS

12+ COURSE UNITS

46+ EVENTS & ACTIVITIES

60+ MEDIA HIGHLIGHTS

27+ NEWS & REFERENCES

PUBLICATION IMPACT

2841+ TOTAL CITATIONS

8.00+ CITATION IMPACT

355+ PUBLICATION

1.02% INDIA PUBLICATIONS

21% INTERNATIONALLY CO-AUTHORED

707+ LAKH RESEARCH INCOME

12.2.1 Integrating Ethics and Sustainability: The KIIT DU Approach to Responsible Procurement

KIIT University is committed to procuring and serving aquatic food products in a sustainable and responsible manner. This policy, mandatory for all students, staff, and contracted food service providers, covers every aspect of food service operations, including campus cafeterias and procurement processes. Its primary aim is to ensure that seafood and other aquatic products are sourced from environmentally sustainable and socially responsible practices, thereby safeguarding ecological balance while supporting community welfare.

https://sustainability.kiit.ac.in/wp-content/uploads/2025/10/Aquatic-Food-Sourcing_compressed.pdf

Guiding Principles:

1. **Ethical Sourcing Guidelines**
   - Procure seafood and aquatic products only from suppliers following sustainable fishing practices.
   - Give priority to certified aquaculture operations and regulated capture fisheries.
   - Prohibit sourcing from destructive methods such as drift-net fishing and other practices causing high bycatch.
2. **Sustainability Responsibility**
   - Minimize environmental impacts by sourcing eco-certified, low-carbon products and engaging suppliers committed to sustainable, resource-efficient practices.
3. **Supplier Guidelines**
   - Ensure suppliers adhere to Environmental, Social, and Governance (ESG) standards.
   - Perform regular audits and assessments of supplier practices.
   - Require comprehensive documentation of sustainable harvesting methods and transparent supply chains.
4. **Local Supply Procurement**
   - Give preference to local suppliers to foster regional economic growth.
   - Support small and medium enterprises in the local fishing community.
   - Minimize transportation-related emissions by emphasizing local procurement.
5. **Review, Continuous Improvement, and Compliance**
   - Conduct continuous research and monitoring to ensure sustainable aquatic food sourcing, assess environmental impacts, and implement necessary environmental improvements.
   - Engage with the academic community, marine conservation experts, and sustainable fisheries professionals, while maintaining ongoing communication with suppliers to promote best practices and continuous improvements in sustainability.

KIIT University will review and update this policy annually to ensure sustainable and socially responsible aquatic food procurement. All sourcing must comply with university procedures and regulations, with the Sustainability and Environment Committee overseeing implementation and compliance.

OFFICE OF THE DEAN, INTERNAL QUALITY ASSURANCE CELL,
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Sustainable Aquatic Food Sourcing Policy – KIIT University

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Dean, QA

Industrial Technology to be University Quality Assurance Cell

The policy, as detailed on the official website, establishes a clear mandate to integrate sustainability considerations into procurement decisions https://kiit.ac.in/sustainable-procurement-policy/. This goes beyond mere cost-effectiveness, embedding ethical responsibility into the entire supply chain. The policy explicitly aims to purchase goods and services that minimize environmental impact, are produced sustainably, and prioritize the well-being of communities.
https://sustainability.kiit.ac.in/ethical-committee/

12.2.3 Ensuring a Safe and Sustainable Campus: KIIT's Policy on Hazardous Waste Disposal

KIIT University's commitment to sustainability, as outlined in its comprehensive Sustainability and Climate Action Policy, extends to the critical area of hazardous materials management. The university recognizes that responsible handling and disposal of hazardous waste are fundamental to its environmental responsibilities and its ambitious goal of achieving a carbon-neutral and zero-discharge campus by 2050.

https://kiit.ac.in/sustainable-procurement-policy/

The policy's broad applicability ensures that all hazardous waste generated from academic programs, research laboratories, medical facilities, and infrastructure operations across the university falls under a stringent management framework. This universal application is a core tenet of the policy, which states it is "applicable to all activities, operations, and initiatives" conducted by KIIT.

❖ **Integration with Core Sustainability Objectives**

The management of hazardous waste is not an isolated activity but is deeply integrated into several key objectives of the Climate Action Policy:

- **Water and Waste Management:** The policy explicitly commits to "sustainable waste management practices on campus," which includes the responsible disposal of hazardous and bio-medical waste. This is a critical component of maintaining the university's goal of a zero-discharge campus.
- **Review, Monitoring and Reporting:** KIIT has established "robust processes to review, track and monitor the performance of key indicators," which includes waste generation. This ensures that hazardous waste streams are consistently measured, audited, and improved upon.
- **Environmental Responsibility:** The university mandates that "any adverse environmental impact of its activities is minimized." The proper disposal of hazardous materials is a direct action to fulfill this mandate, protecting both the campus community and the local environment.

https://sustainability.kiit.ac.in/wp-content/uploads/2025/10/Water-Discharge-Management-Guidelines_.pdf

❖ **Key Procedures and Practices for Hazardous Waste**

The policy outlines specific procedures that form the backbone of KIIT's hazardous waste disposal system:

1. **Implementation of Specialized Waste Programs:** The policy mandates the "responsible disposal of hazardous and bio-medical waste." This involves implementing effective strategies and technologies to handle these specific waste streams separately from general solid and liquid waste, ensuring compliance with national regulations.
2. **Action Plans and SMART Targets:** The university commits to developing detailed action plans with "specific, measurable, attainable, relevant, and time-bound (SMART) targets." For hazardous waste, this translates into clear metrics for reduction, segregation efficiency, and 100% authorized disposal, with assigned responsibilities and timelines.
3. **Continuous Monitoring through Audits:** As part of its commitment to continuous improvement, KIIT engages in "periodic energy, environmental and green audits as a continuous process." These audits are essential for reviewing the effectiveness of the hazardous waste management system, ensuring compliance, and identifying areas for enhancement.
4. **Stakeholder Engagement and Training:** The policy emphasizes engaging with "internal and external stakeholders," including environmental auditors and industry professionals. For hazardous waste, this means ensuring that all faculty, staff, and students handling such materials are properly trained, and that final disposal is handled by government-authorized agencies.

Different types of waste generated in the KIIT University and their disposal

Types of waste	Particulars	Disposal method
E-Waste	Computers, electrical and electronic parts	Direct selling
Plastic waste	Pen, Refill, Plastic water bottles and other plastic containers, wrappers etc	Direct selling
Solid wastes	Damaged furniture, paper waste, paper plates, food wastes	Reuse after maintenance energy conversion
Wastewater	Washing, urinals, bathrooms	Soak pits
Glass waste	Broken glass wares from the labs	Direct selling
Sanitary Napkin		Napkin Incinerators

12.2.4 Minimizing Landfill Reliance: KIIT's Policy for Sustainable Waste Disposal

KIIT University's approach to waste management is fundamentally guided by a core policy objective: the minimization of waste sent to landfills. This policy is not a standalone document but is deeply embedded within the university's overarching framework of sustainability, operationalized through a multi-pronged strategy focused on waste prevention, recycling, recovery, and innovation.

https://sustainability.kiit.ac.in/climate-plan/.

The aim is to foster a circular economy on campus, treating waste as a resource and drastically reducing its environmental footprint.

Prevention at the Source: The Role of Sustainable Procurement

A key tenet of KIIT's landfill reduction policy is preventing waste generation at the point of entry. This is achieved through its Sustainable Procurement Policy, which integrates environmental criteria into purchasing decisions. By evaluating suppliers on sustainability performance and prioritizing durable, recyclable, and minimal-packaging products, KIIT actively reduces the volume of potential waste that would otherwise require disposal. This proactive approach ensures that the university's purchasing power supports a "minimization of plastic use" and other non-recyclable materials, directly contributing to lower landfill dependency.

https://kiit.ac.in/sustainable-procurement-policy/

Diversion through Recycling and Resource Recovery

For waste that is generated, KIIT's policy emphasizes diversion from landfills through advanced processing and recovery systems.

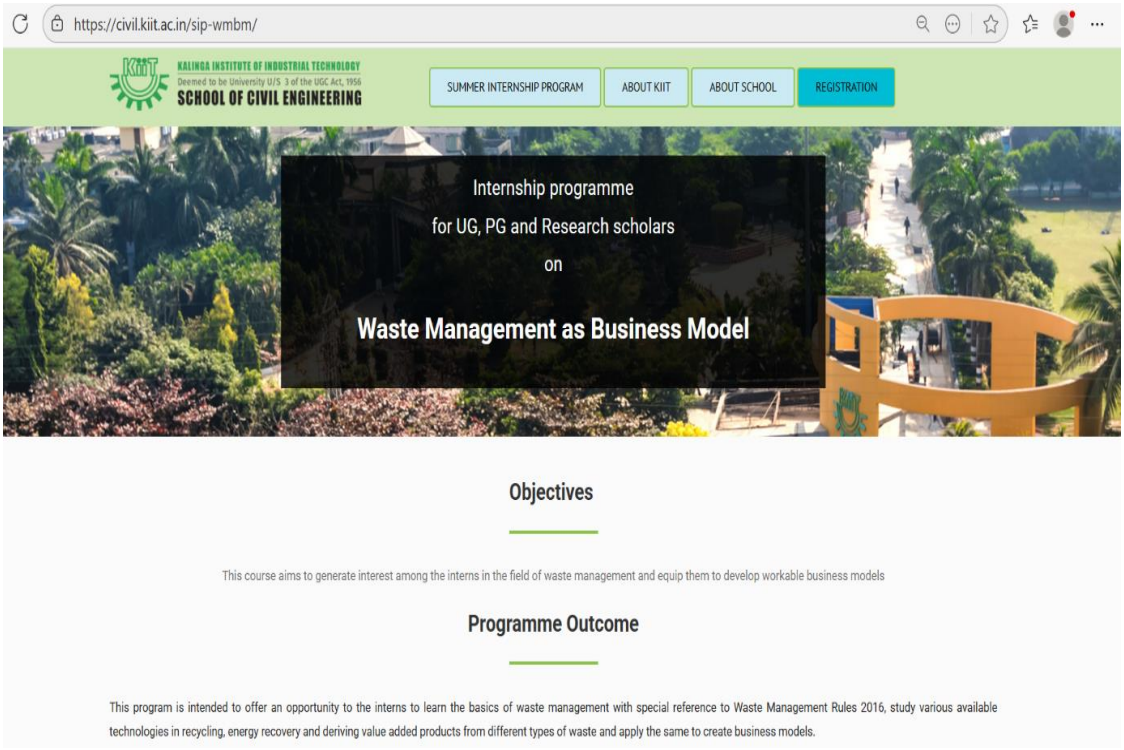
- **Organic Waste:** The university operates biogas plants that convert organic waste from hostels and cafeterias into biogas for cooking. This process not only diverts a significant waste stream from landfills but also produces renewable energy, aligning with the university's carbon neutrality goals.
- **Inorganic Waste:** The policy mandates awareness and programs for recycling e-waste, plastic waste, and construction & demolition (C&D) waste. Collaborations, such as the MoU with the National Council for Cement and Building Materials (NCCBM), foster research into using industrial and other wastes as alternative resources, promoting recycling and co-processing over landfilling.

❖ **Innovation and Education: Building a Zero-Landfill Mindset**

KIIT's policy recognizes that long-term success requires cultivating expertise and entrepreneurial spirit in waste management. The university offers a specialized 30-day internship programme on "Waste Management as a Business Model" for students.

This program, detailed on the School of Civil Engineering website, equips UG, PG, and research scholars with the skills to develop business models for waste recycling and resource recovery. By focusing on technologies like composting, bio methanation, pyrolysis, and the production of value-added products from various waste streams, the program directly supports the policy's goal of creating alternatives to landfill disposal. The curriculum underscores the economic potential of waste, inspiring future leaders to see landfill avoidance as both an environmental imperative and a business opportunity. The programme brochure is available here:

https://civil.kiit.ac.in/sip-wmbm/



12.2.5 Policy for Minimisation of Plastic Use at KIIT University

KIIT University's commitment to environmental stewardship is concretely demonstrated through its proactive policy to minimize plastic use across its campuses, integrated within its broader Sustainability and Climate Action Plan: https://sustainability.kiit.ac.in/climate-plan/

12.2.6 KIIT University has revised its waste management strategy in accordance with global best practices, with a strong focus on eliminating plastic pollution and promoting a sustainable campus environment.

1. Organic Waste Management

- Organic and inorganic wastes are carefully segregated at their source every day and stored separately.
- Organic waste is processed through two anaerobic digesters operating in tandem, converting waste into compost efficiently while ensuring continuous and reliable treatment.
- Dedicated anaerobic digesters also manage food waste generated in hostel facilities, promoting effective waste recycling.

2. Plastic Reduction Strategies

- KIIT conducts regular awareness programs and interactive sessions to educate students, faculty, and staff on the harmful impacts of single-use plastics, encouraging the adoption of sustainable alternatives.
- Cafeterias, Canteens, and Dining Halls are encouraged to adopt stainless steel utensils, reducing plastic waste and fostering a culture of reuse.
- Conferences, Seminars, and Official campus events strictly adhere to green protocols by promoting the use of cloth bags and reusable stainless-steel tumblers.

3. Green Campus Development

- Sculpture Garden, Rose Garden, and several Green Parks have been developed across the KIIT campus, creating well-maintained natural spaces that promote relaxation, enhance biodiversity, and strengthen the campus commitment to KIIT Green.
- KIIT is continuously developing additional green spaces across its campus to enrich biodiversity, promote ecological balance, and foster a healthier, eco-friendly learning environment.

4. Water Purification Infrastructure

- Installed water purifiers on every floor of academic and administrative buildings, in hostels, and near green park areas to provide easy access to safe drinking water while reducing dependence on plastic bottles and minimizing plastic waste.

5. Engagement of National Service Scheme (NSS)

- NSS volunteers actively monitor the implementation of "KIIT Green" initiatives on a daily basis, ensuring sustainable practices are followed and promoting environmental awareness among students and staff.

This action plan reflects KIIT University's strong commitment to sustainability, combining technological solutions, community involvement, and policy-driven approaches to significantly reduce plastic waste and promote eco-conscious behaviour across campus.

https://sustainability.kiit.ac.in/wp-content/uploads/2025/10/Action-Framework-for-Plastic-Reduction_compressed.pdf

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12.2.7 Disposable Policy: Extensions to Services at KIIT University

KIIT University's commitment to sustainability extends beyond core operations to encompass a comprehensive disposable policy integrated into its service infrastructure. This policy aligns with the institution's broader conservation programs detailed on https://kiit.ac.in/conservation-programs/, ensuring responsible resource management across all service domains.

- **Dining and Hospitality Services**

The university has implemented sustainable practices in its food service operations through the deployment of biofuel generation facilities for cooking. This initiative reduces reliance on disposable cooking fuels while promoting clean energy use. The recycling program's composting initiative, which processes food wastes and wet garbage, further extends to dining facilities, minimizing organic waste disposal and creating valuable compost for campus greenery.

- **Student Accommodation Services**

In hostel operations, KIIT has integrated rainwater harvesting facilities and automated water flow control systems to reduce water wastage. The solar panels deployed on all hostels not only generate clean energy but also reduce dependence on disposable energy sources. The success of Project SIDDHI, which promotes handmade paper bags as alternatives to plastic bags, demonstrates how hostel services incorporate disposable reduction into daily operations.

- **Administrative and Academic Services**

The university's electronic recycling program extends to administrative functions, where obsolete equipment is systematically dismantled, and functional components are repurposed for student projects. This approach minimizes electronic waste while supporting educational initiatives. Awareness programs on electronic waste recycling ensure that staff and faculty actively participate in these sustainable practices.

- **Transportation Services**

KIIT's transportation services incorporate the disposable policy through biofuel generation facilities that serve both transportation and cooking needs. The innovative solar car 'Yuva' developed by the automobile society represents the institution's commitment to reducing disposable energy sources in campus mobility. These initiatives are complemented by skill development programs that train personnel in maintaining sustainable transportation systems.

- **Vendor and Procurement Services**

The university extends its disposable policy to vendor operations through its recycling program's emphasis on responsible consumption and production. By promoting alternatives to plastic bags through initiatives like Project SIDDHI, KIIT ensures that vendor services align with institutional sustainability goals. The awareness programs conducted for city people on preventing resource misuse further reinforce this approach across the supply chain.

Through these service extensions, KIIT University demonstrates a holistic approach to disposable minimization that permeates all aspects of campus operations, creating an integrated ecosystem of sustainable service delivery supported by continuous monitoring and improvement mechanisms.

12.2.8 Minimisation Policies Extended to Suppliers at KIIT University

KIIT University extends its sustainability commitments to its supply chain through a robust framework that integrates environmental and social criteria into procurement processes. This supplier-focused

minimization policy ensures that the university's sustainability values are upheld throughout its operational ecosystem, as outlined in its comprehensive conservation programs.

- **Sustainable Supplier Evaluation and Selection**

KIIT has incorporated sustainability criteria into its supplier assessment process, evaluating vendors not only on cost and quality but also on their environmental performance and commitment to waste reduction. The university prioritizes suppliers who demonstrate responsible resource management, mirroring its own conservation initiatives in energy and water management https://kiit.ac.in/conservation-programs/. This approach ensures that partners align with KIIT's institutional goals of reducing environmental impact across all operations.

https://sustainability.kiit.ac.in/wp-content/uploads/2025/10/Aquatic-Food-Sourcing_compressed.pdf

- **Green Product Standards and Requirements**

The university mandates that suppliers comply with specific environmental standards for products and materials. This includes preferences for items with minimal packaging, recycled content, and extended durability to reduce waste generation. These requirements directly support KIIT's recycling program objectives and contribute to the circular economy model promoted through initiatives like Project SIDDHI's alternative to plastic bags.

- **Capacity Building and Supplier Development**

KIIT conducts regular training sessions and awareness programs for its suppliers, focusing on sustainable practices and technologies. These sessions cover topics such as energy efficiency, water conservation, and waste management, extending the university's expertise to its partner network. The knowledge sharing aligns with the skill development programs mentioned in KIIT's energy conservation initiatives, creating a multiplier effect for sustainability impact.

- **Performance Monitoring and Continuous Improvement**

The university maintains an ongoing assessment system for supplier performance regarding sustainability metrics. This includes regular audits and reporting requirements that track progress in waste reduction, resource efficiency, and adoption of environmentally friendly practices. The monitoring mechanism complements KIIT's institutional reporting framework for conservation programs, ensuring accountability throughout the supply chain.

- **Collaborative Innovation and Green Technology Adoption**

KIIT encourages joint research and development with suppliers to create innovative solutions for waste minimization and resource conservation. The university's research facilities, such as the Thin Film Photovoltaics Lab, serve as resources for supplier partnerships in developing sustainable technologies. This collaborative approach extends the impact of KIIT's research initiatives into practical applications within the supply chain https://crf.kiit.ac.in/.

Through these comprehensive measures, KIIT University ensures that its minimization policies create a ripple effect beyond campus boundaries, fostering a supply chain ecosystem that actively contributes to the institution's sustainability mission and the United Nations Sustainable Development Goals.

Advancing Sustainable Practices in Alignment with SDG 12

- **Technical Expo 2024: Showcasing Sustainable and Efficient Innovations**

KIIT-ITI successfully conducted a two-day Technical Expo from February 22nd to 23rd, 2024, focusing on practical learning and student innovation. The event highlighted projects that embodied principles of

sustainable consumption and production, showcasing student-led initiatives designed for resource efficiency and waste reduction.

The expo served as a dynamic platform where students demonstrated innovative models and prototypes aimed at minimizing environmental impact. A key theme was the promotion of sustainable practices, with projects that emphasized responsible material use, lifecycle thinking, and reducing the ecological footprint of technology. The visiting delegation from Nusa Putra University, Indonesia, commended these efforts, appreciating the focus on developing solutions that align with a more sustainable future.

This initiative underscores the institution's commitment to fostering a culture of innovation where hands-on skills are developed in harmony with principles of environmental responsibility. The event successfully inspired students to continue exploring and refining their ideas, contributing to a broader vision of sustainable development through practical, technically-sound solutions.

- **Kreative Kontrol: Hands-On Workshop in Sustainable Electronics and Motor Control**

The Kreative Kontrol Event on March 31st, 2024, was a dynamic showcase of sustainable innovation at KIIT DU. The day was launched with an exciting demonstration of student-built projects, including an amphibious rover, highlighting practical applications of responsible consumption and sustainable design.

Attendees then engaged in a hands-on project competition, moving beyond theory to build functional prototypes. This interactive format emphasized resource-conscious methodologies, encouraging participants to consider material lifecycles and waste reduction in their creations. The event fostered a culture of mindful production, where innovative thinking was channelled into developing environmentally aware technological solutions.

A fun-filled quiz further reinforced these principles, testing knowledge on efficient and sustainable practices in technology. The event successfully inspired a new wave of creators to integrate sustainable patterns into their work, proving that hands-on learning is key to building a future where innovation and responsible resource use go hand in hand.

- **Academic Empowerment Program on Integrating SDGs, NEP 2020 & Viksit Bharat**

The eight-day KIIT Academic Empowerment Program (K-AEP), organized by the Internal Quality Assurance Cell (IQAC), was conducted for faculty members to strengthen academic excellence through sustainable and responsible practices in higher education.

The c emphasized integrating sustainability frameworks into teaching, research, and institutional operations. Sessions focused on responsible resource utilization, innovative pedagogical approaches, and the adoption of environmentally conscious academic models. A key highlight was the release of specialized booklets, including one under the *Viksit Bharat@2047* series, promoting efficient and sustainable educational systems.

Through interactive discussions, faculty explored ways to embed real-world sustainability perspectives into curricula, fostering impactful learning and research outcomes. By championing responsible academic behavior, K-AEP reinforced KIIT's commitment to building a resilient and future-ready educational ecosystem rooted in the principles of sustainability and global responsibility.

- **Symposium on Translational Research for Society and Sustainability**

KIIT Deemed to be University, in collaboration with the INSA Bhubaneswar Chapter, successfully organized a two-day symposium on 'Translational Research for Society and Sustainability'. The event served as a dynamic platform to champion responsible resource management and sustainable solutions.

The symposium featured insightful sessions on critical areas like renewable energy, sustainable agriculture, and material sciences, directly aligning with the principles of sustainable consumption and production. Discussions emphasized the vital role of academia-industry partnerships in driving scientific innovation that leads to eco-friendly processes and products. The event underscored KIIT-DU's strong commitment to fostering multidisciplinary research initiatives aimed at creating a positive environmental impact and promoting sustainable practices for societal welfare. The collaborative forum successfully highlighted pathways for research to translate into tangible, sustainable outcomes.

- **HCLTech Grant Symposium on Sustainable Development**

The 10th Edition of the HCL Tech Grant Pan-India Symposium was successfully hosted on June 18, 2024, in collaboration with KIIT and KISS, a sister concern of KIIT. The event brought together approximately 350 delegates, including NGO representatives, corporate leaders, government officials, and policymakers from across Odisha.

The symposium served as a dynamic platform to foster crucial dialogues on Corporate Social Responsibility (CSR) and its role in nation-building. The discussions were strategically aligned with principles of sustainable development, emphasizing the need for sustainable resource management and responsible consumption patterns. A key focus was on how corporate grants and CSR initiatives can drive impactful change by promoting sustainable practices and minimizing ecological impact across key sectors.

The thematic categories of the HCL Tech Grant—Environment, Health, and Education—directly contribute to fostering sustainable systems. This initiative, executed by the HCL Foundation, underscores a deep-seated commitment to empowering the development ecosystem and strengthening community-level interventions. The event successfully facilitated a regional understanding of how collaborative action between corporations, NGOs, and policymakers is essential for building a more sustainable and resilient future.

- **Fostering Sustainable Innovation Through Advanced Research Training**

The Central Research Facility at K-Innovation, KIIT Deemed to be University, successfully concluded its inaugural summer internship program from May 31st to June 14th, 2024. The program welcomed a diverse cohort of students from various institutions, including KISS, a sister concern of KIIT, fostering an inclusive learning environment. A key focus was on empowering participants with the skills to utilize advanced instrumentation effectively, promoting a culture of precision and analysis that is fundamental to optimizing resources and developing sustainable solutions.

Beyond technical proficiency, the program cultivated a collaborative atmosphere where interns could network, share ideas, and discuss the application of their new skills. This initiative underscores a commitment to nurturing the next generation of scientific thinkers, equipping them with the competencies necessary to contribute to a future built on responsible innovation and efficient use of knowledge. The program's success highlights the institution's role in advancing a skilled workforce capable of addressing complex challenges through precise and thoughtful research.

- **KIIT-DU & Beumer India Pvt. Ltd. Announce Strategic Partnership in Cement and Mining Technology**

In a landmark move for industry-academia collaboration, a strategic partnership has been announced to pioneer advancements in cement and mining technology. This alliance brings together a leading educational institution and a global expert in intra-logistics solutions, with a focus on cultivating the next generation of engineers.

A core emphasis of this partnership is on fostering the development of sustainable technology and promoting resource efficiency within key industrial sectors. By integrating academic research with industry practice, the collaboration aims to drive progress in cleaner production methodologies and the responsible management of materials. This initiative is poised to create a skilled workforce capable of designing and implementing more efficient and environmentally conscious industrial systems, contributing to a future of responsible industrialization.

- **Hackathon Fosters Sustainable Solutions for Weather and Climate Challenges**

A significant hackathon focused on weather, climate, and air quality concluded at KIIT-DU, uniting students and faculty from numerous higher education institutions. The event, a collaboration between Bronx Community College, CUNY, and US Consulates, aimed to develop innovative responses to pressing global environmental issues.

The focus on creating practical applications for environmental data underscores a commitment to fostering responsible and efficient use of natural resources. By developing technology-driven solutions for agriculture and urban planning, the initiatives contribute directly to promoting sustainable management of environmental systems and reducing ecological degradation.

The event culminated in a pitch competition, recognizing the most impactful and innovative projects. Dignitaries highlighted how such collaborative efforts not only advance technical knowledge but also strengthen international ties in tackling shared environmental challenges. The hackathon served as a platform for creating tangible tools that encourage more sustainable consumption of resources and a deeper awareness of our environmental footprint, paving the way for more resilient communities.

- **Weaving a Sustainable Future: A Celebration of Handloom and Heritage**

A collaborative event between the World Trade Centre (WTC) Bhubaneswar and the K3 Ladies Klub of KIIT recently marked National Handloom Day with a powerful emphasis on sustainable and responsible practices within the handloom sector. The celebration served as a significant platform to highlight the intrinsic value of handloom, not just as cultural patrimony, but as a beacon for sustainable production and conscious consumption.

The gathering featured insightful addresses that underscored the critical need to support artisan communities and adopt sustainable methods that empower them. The discourse focused on the importance of preserving traditional craftsmanship as a viable and eco-conscious alternative, promoting a shift towards more responsible patterns of use and production. A key moment was the felicitation of artisans, recognizing their dedication to maintaining these sustainable practices.

The event culminated in a collective pledge to champion the handloom tradition, reinforcing a commitment to its preservation and promotion. This was followed by a vibrant "Walk for Handloom," a fashion showcase presented by KIIT Ladies and WTC, which beautifully illustrated how traditional weaves can be integral to a modern, sustainable lifestyle. The partnership exemplified a shared vision for a future where heritage and responsible consumerism are interwoven.

- **A Community Initiative for Conscious Consumption and Collective Well-being**

In a meaningful community outreach initiative, volunteers from the KIIT YRC, alongside participants from KISS, a sister concern of KIIT, organized a large-scale clothing distribution drive. The event successfully channelled pre-owned garments to a community in Bhubaneswar, demonstrating a practical model for sustainable material management.

The initiative focused on redirecting clothing resources, giving them a renewed purpose and extending their lifecycle. This act of redistribution aligns with principles of responsible consumption, ensuring that usable materials are effectively utilized within the community rather than being discarded. The effort highlights how collective action can contribute to more sustainable patterns of use and a significant reduction in waste. Mobilized by institutional guidance that champions proactive social contribution, the volunteer team facilitated the entire process.

- **Gandhi and Shastri Jayanti Celebrated at KIIT, KISS & KIMS**

KIIT, along with its sister concern KISS and KIMS, marked the birth anniversaries of Mahatma Gandhi and Lal Bahadur Shastri with a series of impactful events, centering on the ethos of environmental responsibility. The commemoration saw the institutions' communities actively participate in a large-scale "Swachh Bharat Abhiyan" cleanliness drive across the campuses. This drive aligns with the long-standing national campaign, highlighting a sustained commitment to improving environmental conditions.

Further solidifying this dedication to planetary health, a widespread plantation drive was conducted to promote greener campuses. These collective activities—the conscientious cleaning and the nurturing of new plant life—serve as a practical embodiment of responsible resource management. The events successfully translated reverence for timeless ideals into tangible efforts, fostering a culture of mindful consumption and waste reduction. By integrating these practices into the institutional fabric, the celebration moved beyond ceremony, inspiring the academic community to adopt more sustainable lifestyles and contribute to a healthier ecosystem.

- **Building Resilient Communities Through Essential Lifesaving Training**

The Youth Red Cross (YRC) at KIIT successfully conducted its Third Annual First Aid Training Camp on December 8th, 2024. The event, led by a chief instructor from the Indian Red Cross Society, provided vital instruction to volunteers, equipping them with critical skills for managing common emergencies.

The training session was a comprehensive workshop focusing on practical, corrective approaches to first aid. Participants engaged in learning essential techniques, including CPR, assisting unconscious individuals, and managing injuries such as fractures and bleeding. The curriculum also extended to handling specific scenarios like animal bites and providing initial psychological support. This knowledge empowers individuals to respond effectively, preventing the escalation of injuries and promoting better recovery outcomes.

This initiative underscores a commitment to fostering a culture of preparedness and resilience within the community. By equipping individuals with these essential skills, the camp contributes to a more responsible and proactive society. Effective first aid minimizes the long-term impact of accidents, aligning with principles of safeguarding human resources and promoting well-being.

The YRC, KIIT, extended its appreciation to its faculty counsellors and the unwavering support from its founder, as well as the collaborative spirit of KISS, a sister concern of KIIT. The event was hailed as a significant success, bolstered by the enthusiastic participation of volunteers dedicated to building a safer, more prepared community.

- **KI3 Fest 2024: Fostering Sustainable Innovation for a Developed India**

KIIT-DU recently hosted the KI3 Fest, a dynamic exhibition of student innovation centered on the theme 'Frontier Technologies for Viksit Bharat @ 2047'. The event, showcasing over 250 prototypes from 600 students across its group of institutes, served as a powerful platform for transforming ideas into tangible impact.

The fest underscored a critical commitment to fostering solutions that align with principles of sustainability. The displayed innovations highlighted the potential of young minds to develop new approaches and technologies geared towards responsible consumption and production. By championing a culture of impactful ideation, the event emphasized that true value is created when ideas translate into practical applications that promote material efficiency and waste reduction. The collaborative spirit, involving multiple internal organizations, reinforced the importance of shared responsibility in building a sustainable future. This gathering of future leaders not only celebrated creativity but also signaled a proactive step towards embedding sustainable and lifecycle-thinking into the core of technological advancement for the nation.

ART OF GIVING

Giving education to the deprived is like giving sight to the blind *-Achyuta Samanta*

PHILOSOPHY OF LIFE

'Art of Giving' is a not-for-profit initiative for spreading, supporting and promoting the practice of giving around the world. It is based on the philosophy of life of **Prof. Achyuta Samanta**, who has struggled through an experience of poverty, hunger, humiliation in receiving and pleasure in giving from his childhood. **He gives the credit of all his success to 'Art of Giving' and has been working relentlessly to achieve zero poverty, zero hunger and zero illiteracy since 1987.**

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