



AMITY UNIVERSITY
UTTAR PRADESH



SUSTAINABILITY DEVELOPMENT GOALS

PARTNERSHIP FOR THE GOALS (SDG17)

17.2.2: EVENT TITLE :Three days conference cum training programme on “climate induced, hydrological disasters, policies and management”

EVENT DESCRIPTION: REPORT ATTACHED

17.2.3: 1.EVENT TITLE : A report- G-20 conference at Amity University “Disruptive Science for Sustainable Development”

Event Description : report attached

2.Event Title: International Conference On “Social and Political Institutions, Human Rights and Global Justice: Perspectives from India and Europe October 9-10, 2023.

Event Description : Report Attached

17.2.5 : Event Title : Five days activity based value added programme on “sustainable management for water security and sanitation practices” world water day week celebration – 2023

EVENT DESCRIPTION : Water day report attached, where NGOs were invited to discuss on this issue.



SDG 1: NO POVERTY

Event Title: Promotion of Organic farming to improve food, nutrition and income security of the rural farmers.

Event Description:

Amity University Uttar Pradesh organised a awareness compaign under Unnat Bharat Abhiyan to promote organic farming among farmers of adopted villages.

Organic farming is a system of agriculture that uses environmentally sound techniques for raising crops and livestock that are free from synthetic compound. The methods used in organic farming seeks to increase long term soil fertility, balance insect and organism populations and reduce air, soil and water pollution while maintaining or increasing levels of production. As opposed to the conventional farming system, organic farming keeps the welfare of every player in mind including the provision for fairness in farm situation and in trade. It stimulates the societal and individual responsibility for the environment hence sustainability.

To raise awareness about the same Amity University Uttar Pradesh conducted a door-to-door campaign in which our primary goal to aware farmers about the need of sustainability and to gather data about the

ongoing practices which they are following. Sustainable farming practices offer a way to address these challenges and ensure that we can continue to produce food for a growing population while also protecting the environment. Awareness was created among farmers that by adopting organic sustainable practices such as conservation tillage, crop rotation, and cover cropping, farmers can improve soil health, reduce erosion, and increase water retention. This can lead to higher crop yields and more resilient farms. In addition, sustainable farming practices can help to reduce greenhouse gas emissions, which are a major contributor to climate change. By using natural fertilizers and reducing the use of synthetic pesticides and herbicides, farmers can reduce the carbon footprint of their operations. Sustainable farming also has important social and economic benefits. By prioritizing the health of the soil and the environment, farmers can create a more sustainable and resilient agricultural system that can support rural communities and small-scale farmers. By supporting local food systems and reducing reliance on industrial agriculture, we can also create more equitable and just food systems that benefit everyone. Farmers were sensitized about organic farming and they distribution of pamphlets were done. Next there was an interactive session with farmers - Santa Ram and Maya Devi - where they discussed about different methodology and techniques dealing with pest and weed one of them for example "Method to deal with most hazardous pest of Brinjal -Banana leaves soaked in cow urine 2-3 days to allow manure to form viscous and then sprayed at brinjal and it is proved to be the most effective way in eradicating and controlling the brinjal disease in short duration. Students saw various common farm field tool and operations carried out by most of the local village farms and their methodologies and different varieties of plant crops.

2 ZERO HUNGER



SDG 2: ZERO HUNGER

Event title: Importance of Millets in Ensuring Food and Nutritional Security

Event Description:

To spread the importance of millets among youth, awareness session was organized for the students of ATULASHA (charitable school for underprivileged boys run under the aegis of Amity Humanity Foundation) at Amity University Noida Campus. Millet in any form can be a healthy addition to most diets and it is available in many supermarkets and health food stores in several different forms. It has several advantages, including low-maintenance, disease resistance, nutritional value, market demand, fodder value, and ecological benefits. Millet's adaptability and ease of cultivation are reviving interest in it. You may find different types of millet throughout India, including pearl millet and sorghum millet. The health advantages of millet can be found in all of these varieties. The students were also provided with millet products. Students of AIOA displayed various self-made as well as packed products of millets. Live samples of Major millet, minor millet & wild species of millets were also displayed in the Millet Bazar. Products like cookies, noodles, mixtures, etc were presented by the students.



SDG 6: CLEAN WATER AND SANITATION

Event Title: Five Days Activity Based Value Added Programme on “**Sustainable Management for Water Security and Sanitation Practices**” held on 16th – 22nd March 2023.

Event Description:

In a pivotal event that unfolded from the 16th to the 22nd of March 2023, the Amity Institute of Environmental Sciences conducted a Five Days Activity Based Value Added Programme. This comprehensive initiative, conducted in collaboration with the National Mission for Clean Ganga (NMCG), GoI, New Delhi, served as a robust platform for interaction, information exchange, and the sharing of experiences in the domain of "Sustainable Management for Water Security and Sanitation Practices." Water, an elemental right, and a finite resource, took center stage in the backdrop of escalating water scarcity. With one in four people residing in water-scarce areas, the global water crisis imperilled our ability to produce food, protect livelihoods, and fortify economies. Projections indicated that water demand would outstrip supply by 40% by 2030, heralding a future where effective and collaborative water management would be indispensable. Climate change further intensified this challenge, placing unprecedented stress on global resources. In tandem with long-term environmental planning, immediate sanitation solutions were deemed crucial to curbing the spread of diseases during emergencies. These necessitated inclusive strategies encompassing handwashing facilities, operational and maintenance protocols, operator training, and community education. The call for urgent global and local action echoed, emphasizing the imperative of achieving safe and sustainably managed water, sanitation, and hygiene for all to avert detrimental impacts on the health

of millions. India's concerted effort to transform into a well-watered surplus country found expression in the 'Namami Gange Programme,' initiated by the Union Government in 2014. Functioning as an integrated conservation program, it aimed to mitigate the water crisis by focusing on the conservation of the river Ganga. This alignment with national objectives marked the initiation of the Five Days Activity Based Value Added Programme. The extensive week-long event featured a multitude of activities, training sessions, and webinars daily. Its core focus lay in exploring linkages between various aspects of water security and sanitation practices. Additionally, it delved into management strategies, emphasizing nature-based solutions such as wetland restoration, mangrove conservation, and the preservation of floodplains to enhance water availability and quality while mitigating risks from water-related disasters. The event also targeted strategies to elevate knowledge and the perceived importance of sanitation and hygiene practices. The primary objective of this Five Days Activity Based Value Added Programme was to provide a dynamic platform for academicians, researchers, practitioners, policymakers, and research scholars to engage in a profound exchange of ideas and practices. The program encompassed a spectrum of approaches, including empirical, theoretical, practical, technical, and applied dimensions, resonating with the overarching theme of water conservation, sanitation, and hygiene. Beyond the academic discourse, the program sought to contribute to broader societal objectives. Mass awareness and capacity building for the nation emerged as crucial facets. The vision extended to developing an 'eco-youth brigade' empowered to propagate public awareness through diverse competitions such as paintings, water ghat cleaning drives, model-making projects, and awareness campaigns on sanitation practices facilitated by NGOs. As the week unfolded, participants engaged in a multifaceted exploration of water security, sanitation practices, and the pressing need for sustainable management. The program facilitated a nuanced understanding of the water crisis, the importance of surface and groundwater, and the interplay between water conservation and good hygienic practices. Technological advancements, tools for evaluating the impact of human activities on water resources, and the implementation of national policies for

scientific and sustainable development were also elucidated. The program addressed the multifaceted challenges of maintaining hygienic conditions, waste management, and wastewater treatment and disposal. Access to safe water, a potent instrument in promoting health and reducing poverty, was underscored as a pivotal need. Sessions delved into water quality improvement, wastewater treatment, water reuse, and equitable sanitation and hygiene for all. Themes such as water for health, water for development, and the nexus between water, energy, food, sustainable economic and urban development were explored in-depth. Groundwater contamination risks, environmental laws and governance for controlling pollution, and entrepreneurship, gender, and governance in the face of a groundwater crisis were also deliberated. As the event drew to a close, the resonating outcomes reflected a collective understanding of water security, sanitation practices, and the imperative of sustainable management. The program, with its diverse objectives, succeeded in creating a tapestry of ideas, practices, and aspirations, weaving together a narrative of shared responsibility towards the crucial domains of water conservation and hygiene. The echoes of the Five Days Activity Based Value Added Programme reverberated as a clarion call for sustained efforts in environmental conservation and water security, propelling the participants towards a future marked by informed action and resilience.



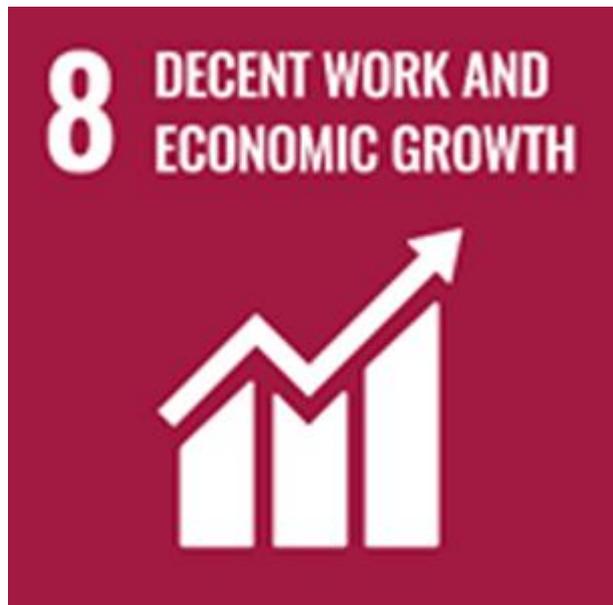
SDG 7: AFFORDABLE AND CLEAN ENERGY

Event Title: Five days Faculty Development Program on “**Building A Sustainable Future with Green Technology: Innovations, Opportunities and Challenges**” held on 22nd-26th May 2023.

Event Description:

In May 2023, Amity University hosted a transformative event, the five-day Faculty Development Program (FDP) titled "Building a Sustainable Future with Green Technology: Innovations, Opportunities, and Challenges." This program aimed to furnish participants with an in-depth comprehension of green technology and its pivotal role in achieving sustainable development. Structured over five days, the FDP seamlessly integrated lectures, hands-on training sessions, case studies, and group discussions. A diverse array of topics related to green technology was covered, spanning renewable energy, sustainable building design, green transportation, waste management, and sustainable agriculture. Expertly curated and delivered by a seasoned team of professionals, the program brought together participants and experts in the field. Experienced professionals graced the lectern, sharing their wealth of knowledge, insights, and the latest trends in green technology. The hands-on training component was instrumental in imparting practical skills, enabling participants to adeptly use green technology tools and techniques. Through case studies, successful applications of green technology across various sectors were showcased, fostering peer learning and knowledge sharing in group discussions. The Faculty Development Program on "Building a Sustainable Future with Green Technology: Innovations, Opportunities, and Challenges" was meticulously designed to provide a comprehensive understanding of green technology. Rapidly evolving as an indispensable component of sustainable development, green technology offers innovative solutions to environmental challenges while fostering economic growth and social well-being. Participants embarked on a transformative journey over the course of five days, engaging in lectures, hands-on training, case studies, and group discussions. The expert team guided them through the latest trends, innovations, opportunities, and challenges in the field. The overarching goal was to equip participants with the knowledge and skills needed to seamlessly integrate green technology into their teaching and research endeavours. The objectives of the FDP were multifaceted. Firstly, it aimed to provide participants with an in-depth understanding of green technology and its pivotal role in achieving sustainable development. Secondly, the program sought to equip participants with the practical

skills necessary to incorporate green technology into their teaching and research. Additionally, fostering networking and collaboration among participants and experts in the field was a key objective, aiming to create a platform for knowledge exchange and interdisciplinary collaboration. The FDP endeavoured to provide a comprehensive overview of green technology and its applications across various sectors. Through hands-on training and case studies, participants were encouraged to develop practical skills and innovative ideas for integrating green technology into their academic pursuits. The program's emphasis on networking and collaboration aimed to create a community of like-minded individuals, facilitating knowledge-sharing and fostering interdisciplinary collaboration. The overarching aim of the FDP was to contribute towards building a more sustainable future. By promoting the adoption of green technology solutions to environmental challenges and aligning with sustainable development goals, the program aspired to make a meaningful impact. Organizers expressed their belief that the FDP would be a valuable learning experience for participants, anticipating active engagement and contributions to building a more sustainable future. The event, scheduled from the 22nd to the 26th of May 2023, was envisioned as a transformative period for faculty members. The expected outcomes were ambitious, anticipating participants to gain a deeper understanding of green technology, acquire practical skills, develop innovative ideas, and establish networks and collaborations within their academic community. In conclusion, the Faculty Development Program on "Building a Sustainable Future with Green Technology: Innovations, Opportunities, and Challenges" aimed not only to disseminate knowledge but also to empower participants to actively contribute to a sustainable future. The comprehensive program structure, expert guidance, and collaborative environment set the stage for an enriching and impactful experience, fostering a community committed to integrating green technology into academic pursuits for a more sustainable world.



SDG 8: DECENT WORK AND ECONOMIC GROWTH

Event Title: Five Days Training Program on “**Management Strategies for Environmental Health and Safety: A Step Towards Achieving SDGs**” held on 16th - 20th January 2023.

Event Description:

The five-days training program, titled "Management Strategies for Environmental Health and Safety: A Step towards Achieving SDGs," was a comprehensive initiative that unfolded from the 16th to the 20th of January 2023. Rooted in the acknowledgment of environmental contamination as a major global issue with severe implications for health and food security, the program addressed the escalating exposure of humans and animals to debilitating levels of contamination on a daily basis. The primary focus lay in the assessment of toxic substances in the environment, monitoring environments for the presence of toxins, and understanding the effects of toxins on both biotic and abiotic components of ecosystems. The backdrop was marked by the harmful repercussions of chemical and biological agents, including toxicants from pollutants, insecticides, pesticides, and fertilizers, capable of reducing species diversity and abundance, consequently affecting ecosystems' productivity and stability worldwide. Air pollution emerged as a poignant contributor to millions of premature deaths annually, primarily attributed to lung cancer, chronic obstructive pulmonary disease (COPD), stroke, heart failure, and respiratory infections. The World Health Organization (WHO) reported that a staggering 99% of humanity breathed air containing contaminants above recommended levels, underscoring the urgency to address this pervasive issue. The United Nations had, in its 2022–2025 agenda, identified "a pollution-free planet" as one of its three pillars, alongside

climate change and biodiversity. The imperative to mitigate contamination and alleviate the burden of pollution-related diseases necessitated the formulation of targeted strategies. In this context, the training program aimed to equip participants with the necessary skills and knowledge to devise such strategies. A fundamental aspect was the rigorous risk assessment of each chemical and natural contaminant, supported by solid evidence from toxicity studies. Meticulous efforts were dedicated to exploring possible mechanisms of action for each pollutant and detecting their toxic potential and safe limits through a combination of in vitro approaches and comprehensive in vivo animal testing. The thematic focus of the program revolved around environmental toxicology, encompassing heavy metals, pesticides, nanoparticles, micro-nano plastics, indoor air pollutants, pharmaceuticals, and industrial toxicants. This lens allowed for a profound exploration of their human health effects, risk assessment methodologies, and the intricate relationships between various diseases and environmental pollutants. The program's overarching objective was to unravel the complexities of human exposure to environmental pollutants, which could lead to adverse effects such as neurotoxicity, carcinogenicity, infertility, and metabolic disorders. The multifaceted objectives of the training program spanned building sensitivity and developing awareness on Environmental Health Sciences and human health among participants. It aimed to impart a nuanced understanding of how a wide range of toxicants, spanning pesticides, metals, solvents, air pollutants, persistent organic pollutants, and radiation, could affect human health. Beyond theoretical knowledge, participants were encouraged to develop practical skills in identifying, characterizing, and controlling environmental hazards. Basic toxicological principles became a focal point, providing the necessary knowledge to apply in safeguarding the health of individuals and groups exposed to chemicals in the workplace. The program fostered skills in critical thinking, reasoning, enquiring, and decision-making concerning the effects of toxicity on the environment. The schedule unfolded across five days, each dedicated to specific themes. The evening of the first day focused on unravelling the complexities of environmental pollutants, health risks, and their management. Subsequent mornings and evenings

delved into occupational health safety, environmental research methodology and biostatistics, environmental toxicology, epidemiological studies, green toxicology, environmental pollutants and monitoring of health effects, pollution prevention and sustainable solutions, and concluded with a focus on green chemistry for sustainable development, bioeconomy, and circular economy. Anticipated learning outcomes for participants included the ability to explain the basic principles of toxicology, encompassing dose-response, fundamental design elements of toxicology studies, and physiological processes determining the fate of chemicals in the body. Participants were expected to apply these principles to evaluate the risk of exposure to chemicals in the environment, comprehend the influence of personal characteristics such as diet and genetics on individual responses to environmental toxicants, and retrieve toxicology information from public health effects databases. Moreover, the program aimed to instil problem-solving skills, enabling participants to interpret data to determine toxic doses for humans, distinguish non-toxic doses, and understand inter-species variations in toxicity. The overarching goal was to empower participants to present environmental health issues effectively to an educated audience and propose preventive measures. In its essence, the training program was not merely a theoretical exploration but a practical and applied endeavour. The comprehensive knowledge imparted was designed to transcend the confines of the program's duration, enabling participants to actively contribute to environmental health and safety in their respective domains. The strategic alignment with the United Nations' Sustainable Development Goals added a global context, emphasizing the program's role in contributing to a sustainable and pollution-free planet.



SDG 13: CLIMATE ACTION

1. Event Title: One Month Online Certificate Course on **"Basics of Remote Sensing Applications in Climate Change Modeling"** held from 18th August to 9th September 2022.

Event Description:

Amity University Uttar Pradesh, Noida, in collaboration with the India Meteorological Department,

recently concluded an Online One Month Certificate Course titled **"Basics of Remote Sensing Application in Climate Change Modeling,"** held from August 18th to September 9th, 2022. This program aimed to offer a robust learning platform for academicians, researchers, practitioners, policymakers, and students to undergo comprehensive training and engage in meaningful discussions on the integration of remote sensing and climate change modeling for sustainable environmental practices. The overarching objective of this certificate course was to bridge the gap between theoretical knowledge and practical application by providing participants with a deep understanding of the principles and methodologies involved in remote sensing and climate change modeling. The course facilitated the sharing of insights and experiences across a broad spectrum of topics, fostering interdisciplinary collaboration and contributing to the broader goal of achieving environmental sustainability. One of the key themes explored during the course was the historical context of climate and climatology. Participants delved into the intricate details of climate history, understanding the underlying factors that have shaped our understanding of climate patterns over time. This theme provided a foundational understanding, setting the stage for subsequent discussions on contemporary issues related to climate change. A significant portion of the course was dedicated to the basics of remote sensing and its applications. Participants gained insights into the fundamental principles of remote sensing technology and explored its

diverse applications in monitoring and managing environmental changes. The hands-on nature of the training allowed participants to acquire practical skills in utilizing remote sensing tools and techniques, ensuring a holistic learning experience. Synoptic and dynamic meteorology constituted another essential theme of the course. Participants engaged in the study of large-scale weather systems and the dynamic processes governing meteorological phenomena. This segment provided a comprehensive overview of the atmospheric processes influencing climate patterns, contributing to a more nuanced understanding of climate change modeling. The course also delved into climate change prediction and modeling, emphasizing the critical role of forecasting and understanding climate trends. This theme enabled participants to explore various models and prediction methods, equipping them with the knowledge to assess and respond to the challenges posed by a changing climate. Geospatial technology for ecosystem mapping emerged as a crucial component of the course, shedding light on the applications of spatial data in mapping and monitoring ecosystems. Participants explored innovative ways to leverage geospatial technology for environmental conservation and sustainable land use planning. Furthermore, the course addressed the contemporary topic of the role of machine learning in disasters and extreme events. Participants gained insights into how machine learning algorithms can contribute to the prediction, management, and mitigation of natural disasters, aligning with the broader goal of building resilience in the face of climate-related challenges. The impacts of climate change, its mitigation, and adaptation strategies were discussed comprehensively, emphasizing the need for proactive measures to address environmental challenges. The collaboration with the India Meteorological Department, a national authority established in 1875, added a practical dimension to the course. The IMD's role in providing meteorological observations and forecasts for various sectors, including agriculture, aviation, and disaster management, was highlighted, showcasing the real-world applications of meteorological data. The program also emphasized the importance of fostering networking and collaboration among participants and experts in the field. Group discussions provided a platform for peer learning, enabling

participants to share their experiences and insights. The interdisciplinary nature of the discussions encouraged collaboration between individuals from diverse backgrounds, enriching the learning experience. In conclusion, the Online One Month Certificate Course on the "Basics of Remote Sensing Application in Climate Change Modeling" provided a comprehensive and interactive platform for participants to explore, learn, and engage in discussions on critical topics related to environmental sustainability. By combining theoretical knowledge with hands-on training and real-world applications, the course aimed to equip participants with the skills and insights necessary to address the challenges posed by climate change. The collaboration with the India Meteorological Department further enhanced the practical relevance of the course, emphasizing the importance of meteorological observations in shaping sustainable practices.

2. Event Title : Seminar on “Emerging Issues on Climate Change and Environmental Sustainability” held on 7th December 2022

Event Description:

In the annals of environmental consciousness, the Amity Institute of Environmental Sciences, Amity University Uttar Pradesh, had undertaken the commendable initiative of organizing a seminar aimed at vigilantly monitoring and managing the burgeoning issues of climate change. The overarching goal was to delve into sustainable management practices and effective mitigation strategies for climate change, harmonizing the needs of both human societies and ecological systems. The imperative was not only to address current challenges but to proactively predict preventive measures, aligning with the urgency to safeguard our planet. In the pursuit of these noble objectives, the Amity Institute of Environmental Sciences seized the moment to propel initiatives that contribute meaningfully to the nation, particularly in the realm of capacity building. As part of this ongoing commitment, the institute orchestrated a webinar on "Emerging Issues on Climate Change and Environmental Sustainability" on the 7th December, 2022, from 2:00 pm to 5:00 p.m., adopting an offline mode to facilitate engaged participation. The thematic nucleus of the event was the exploration of linkages and connections between various facets of

pollution, climate change, and their associated disasters. A significant emphasis was placed on elucidating management strategies concerning climate change and fortifying resilience in environmental management. The seminar discerned an array of issues demanding immediate attention and concerted actions to curtail the impact of environmental pollution on climate and institute sustainable management practices. The overarching idea guiding the initiative was one of inclusivity and collaboration. Organizers, scientists, experts, and stakeholders from across the globe and the nation were beckoned to unite in a collective effort to comprehend and address the complex problems stemming from environmental pollution and climate change. The proposed solutions were envisioned to encompass diverse realms, including mass awareness, technical and technological interventions, policy frameworks, legal perspectives, and sustainable strategies. The objectives of the seminar resonated with a multifaceted vision. Foremost among them was providing a platform for academicians, researchers, practitioners, policymakers, and research scholars to engage in a meaningful exchange of ideas and practices. The spectrum of approaches encompassed empirical, theoretical, practical, technical, and applied dimensions, reflecting a holistic response to the multifaceted challenges posed by climate change and its associated disasters. Beyond the academic discourse, the seminar sought to achieve broader societal objectives. Mass awareness, an indispensable tool in the fight against environmental degradation, occupied a pivotal position. Concurrently, the imperative of capacity building for the nation emerged as a crucial facet. In this vein, the seminar aspired to nurture an "eco-youth brigade" – a dynamic cohort equipped to propagate public awareness through various creative mediums. Competitions ranging from photography and nuked Natak to paintings, debates, model-making projects, and surveys were envisioned as avenues to channel the energy and creativity of the youth towards environmental advocacy. As the seminar unfolded, it became a crucible for the amalgamation of diverse perspectives, expert insights, and grassroots initiatives. The offline mode facilitated a tangible sense of engagement and collaboration, fostering an environment conducive to meaningful interactions and deliberations. The temporal alignment of

the event in December 2022 positioned it as a capstone moment, culminating in a collective call to action as the year drew to a close.

Reflecting on this pivotal seminar, it becomes evident that it was not merely a scholarly exercise but a collective endeavor to confront the challenges posed by climate change and environmental sustainability. The urgency of these issues required a multi-pronged approach, involving academia, policy, technology, and community engagement. The seminar, with its diverse objectives, succeeded in creating a tapestry of ideas, practices, and aspirations, weaving together a narrative of shared responsibility towards our planet. In the crucible of discussions and deliberations, seeds were sown for future actions, and the echo of the seminar reverberated as a clarion call for sustained efforts in the realm of environmental conservation and climate resilience.



SDG 14: LIFE BELOW WATER

1. **Event Title :** Bhujal Saptah on “Groundwater Depletion in India – Causes, Implication & Way Forward for Sustainable Practices” held on 21st July 2023.

Event Description:

The webinar on "Groundwater Depletion in India – Causes, Implications & Way Forward for Sustainable Practices," held on 21st July 2023, addressed the critical issue of groundwater depletion. Commencing with ceremonial activities, the program unfolded with opening remarks emphasizing the significance of addressing groundwater depletion. Various aspects of sustainable practices in managing groundwater resources, legal considerations, and the implications for agriculture were explored. Renowned speakers, including experts in rainwater management,

isotopic applications, integrated water resource management, and advanced technologies for groundwater mapping, shared valuable insights. Key takeaways underscored the urgency of adopting sustainable practices and highlighted the importance of rainwater management, isotopic applications, and advanced technologies in addressing groundwater depletion. The knowledge shared is anticipated to contribute to more informed and concerted efforts towards sustainable groundwater management in India. The webinar on "Groundwater Depletion in India – Causes, Implications & Way Forward for Sustainable Practices" was organized with the aim of addressing the critical issue of groundwater depletion in India. The event took place from 2:00 pm to 5:10 pm and brought together renowned speakers from various fields to share their insights on the topic. This report provides a comprehensive overview of the webinar, including the agenda, speakers, and key takeaways. The webinar successfully provided a platform for experts to share their knowledge and ideas on groundwater depletion in India. The speakers highlighted the urgent need for sustainable practices to conserve this vital natural resource. Participants gained valuable insights into the various causes, implications, and potential solutions for addressing groundwater depletion in the country. The importance of rainwater management, isotopic applications, integrated water resource management, and advanced technologies for groundwater mapping and monitoring were emphasized. It is hoped that the knowledge shared in the webinar will contribute to a more informed and concerted effort towards sustainable groundwater management in India.

2. Event Title : Workshop on “**Navigating the Opportunities and Challenges in Water Management for a Sustainable World**” held on 24th August 2023.

Event Description:

The workshop on "Navigating the Opportunities and Challenges in Water Management for a Sustainable World" responds to the intricate dynamics of urbanization, population growth, and unsustainable practices that exert immense pressure on global water resources. It acknowledges water as a precious resource crucial for life, ecosystems,

and socioeconomic development. The collaborative effort with the National Mission for Clean Ganga aligns with the Namami Gange Programme, emphasizing a national commitment to water conservation, particularly focusing on the Ganga River and its tributaries. The workshop aims to provide professionals and researchers with insights, tools, and hands-on experience in water quality training, fostering understanding, knowledge exchange, exploration of innovative approaches, collaboration, and capacity building. Spanning six thematic areas, it addresses integrated water resources management, water conservation, climate change adaptation, stakeholder engagement, water governance, and innovative financing mechanisms. The expected outcomes include enhanced knowledge, identification of innovative approaches, strengthened networks, increased capacity, and the development of actionable recommendations. The workshop targets professionals, researchers, policymakers, practitioners, and stakeholders involved in water resources management. Highlights include interactive sessions, comprehensive learning on rainwater harvesting techniques, emphasis on sustainability, and networking opportunities. Attendees gain in-depth knowledge, enhance professional skills, network with experts, stay informed about government initiatives, acquire practical skills, and contribute to sustainable practices. The benefits for participants encompass acquiring knowledge, learning practical skills, understanding the importance of water conservation, networking, and receiving a certificate endorsed by the National Mission for Clean Ganga, GOI. In conclusion, the workshop serves as a catalyst for collective action, fostering collaborative discussions, sharing experiences, and showcasing innovative ideas to propel positive change towards a sustainable water future.



SDG-15: Life on Land

1.Event Title: International Tiger Day celebrated on 29th July 2022.

Event Description : On the occasion of International Tiger Day on 29th July 2022, AWC hosted one Wildlife documentary which was prepared by the Rajasthan FD, Wildlife Institute of India and Ministry of Forest and environment Govt of India. This documentary was prepared during successful translocation of tiger for Ranthambhore Tiger Reserve (RTR) to Sariska Tiger Reserve (STR) Rajasthan, India. We received 15 photographs send by the participants. Among the 15 entries, an independent jury of wildlife experts selected the winners. Photographs submitted by the Mr. Debasish Panda and Hiranmoy Chetia was selected for 1st and 2nd Prize respectively.

2.Event Title : Wildlife week celebrated on 1st-7th OCTOBER-2022.

Event Description: Amity Institute of Forestry and Wildlife (AIFW) and Amity Wildlife Club, every year organise the 'Wildlife Week' with the support from the Amity University with the aim to sensitize and spread awareness about wildlife and conservation every year in the month of October among the common people. This year, the Amity Wildlife Club of the institute organized one week event between 1st and 7th of October 2020to celebrate Wildlife Week. List of events organised are as follows:

Students of B.Sc. Forestry, MSc Wildlife Science and PhD. Wildlife Science participated in The Nature Trail Walk. During the trail walk that interacted with the forest official created awareness for Wildlife Conservation among Visitors.

3.Event Title : World Forestry Day-2023 on 21st March 2023.

Event Description : The theme for 2023 is "Forests and health." Forests give us so much to our health. They purify the water, clean the air, capture carbon to fight climate change, provide food and life-saving medicines, and improve our well-being. It's up to us to safeguard these precious natural resources. This 2023 calls for giving, not just taking, because healthy forests will bring healthy people. Therefore, Amity Institute of Forestry and Wildlife proposed to organise following events to celebrate the WORLD FORESTRY DAY 2023 and create awareness among Amitians to Save our Forest.



SDG-16 :PEACE, JUSTICE AND STRONG INSTITUTIONS

Event Title : International Conference On “Social and Political Institutions, Human Rights and Global Justice: Perspectives from India and Europe,October 9-10, 2023

Event Description: Report attached

17 PARTNERSHIPS FOR THE GOALS



SDG 17: PARTNERSHIPS FOR THE GOALS

1. **Event Title :** Five days Faculty Development Program on “**Mission Life A Roadmap to Sustainability with Practice and Partnership in Action**” held on 05th to 09th June 2023.

Event Description:

The Faculty Development Program (FDP), shaped by the pressing realities of human-induced climate change, resource depletion, and unsustainable economic structures, unfolded as a response to the critical challenges of sustainability confronting present and future generations on a global scale. This FDP, rooted in the "Mission Life" blueprint introduced by Hon'ble Prime Minister Shri Narendra Modi at the 26th UN Climate Change Conference of the Parties (COP26) in Glasgow, mirrors an India-led global mass movement. To mobilize individual and community action to safeguard the environment. The primary objective of the FDP was to implement Sustainable Development Goals (SDGs) in 2023 through a multifaceted approach encompassing learning, practice, roadmaps, capacity building, and partnership in action. The ambitious aim was to address the core and related issues of sustainable development across diverse stakeholders and perspectives. The FDP unfolded with a commitment to nudging individuals worldwide to adopt simple yet impactful environmentally friendly actions in their daily lives. Propagating the P3 model—Pro Planet People—the FDP centered on lifestyles for the planet, by the planet, and of the planet. Emphasizing a circular economy, the model underscored the significance of reducing, reusing, and recycling in achieving a harmonious balance between development, economic growth, and sustainability. An integral part of the FDP was the initiation of a roadmap and a process for the functional integration of sustainability into the strategies and operations of various stakeholders. It directed attention towards

managing natural resources, reducing environmental pollution, addressing environmental issues, and tackling the consequences of anthropogenic climate change. The program encompassed the study of bioethical, socioeconomic, and legal facets of environmental sustainability. It delved into the roles of environmental professionals and ecotechnologies in preserving the environment. Critical evaluation and understanding of India's status regarding SDGs, along with best practices and the value created across five stages of sustainability integration, were integral components. The outcomes sought the eradication of extreme poverty, reduction of all poverty by half, implementation of social protection systems, ensuring equal rights, and building resilience to environmental, economic, and social disasters. Capacity-building for a sustainable future was a thematic focus, spanning water, energy, climate, oceans, urbanization, transport, science, and technology. The FDP aimed to articulate a focused, radical outcome document, presenting clear and practical measures for implementing sustainable development. Achieving basic levels of goods and services for all, better redistribution of wealth and resources, ensuring equitable access to opportunities, information, and the rule of law were among the lofty goals. Exploring how research findings could address environmental challenges such as climate change, food and water crises, natural disasters, and pollution was a key facet. The program also sought to instill a sense of belongingness in academia and students, providing guidance for companies on integrating sustainability-related goals and strategies across the organization. In retrospect, the FDP emerged as a comprehensive initiative, bridging theoretical understanding and practical implementation to foster sustainability across various dimensions. It sought to create a ripple effect, influencing individuals, communities, and organizations to collectively work towards a more sustainable and resilient future. The multifaceted approach, encompassing education, practice, and collaboration, reflected a commitment to tackling the intricate challenges of sustainability head-on.

2. Event Title : Symposium on “**Sustainability for the Next Generation: Advancing Environmental Solutions in Policy and Practice**” held on 15th September 2023.

Event Description:

The Symposium on "Sustainability for the Next Generation: Advancing Environmental Solutions in Policy and Practice," part of the 5th International Conference on Entrepreneurship, Innovation & Leadership (ICEIL 2023), stands out as a significant moment in the ongoing discourse on environmental sustainability. This pivotal event brought together a diverse cohort of experts, researchers, policymakers, and practitioners with a shared objective: to deliberate on strategies for advancing sustainability in the 21st century. Conceived with the overarching goal of identifying innovative solutions to pressing environmental challenges like climate change, biodiversity loss, pollution, and resource depletion, the symposium provided a unique platform for participants to engage in vibrant discussions, exchange ideas, and forge collaborations. Through keynote speeches, panel discussions, and interactive sessions, a broad spectrum of sustainability-related topics was covered, including the role of policy in sustainability promotion, the use of technology and innovation to address environmental challenges, and the significance of community engagement in sustainable development. A noteworthy theme emerged, emphasizing the imperative of an integrated approach to sustainability. Participants underscored the interconnectedness of social, economic, and environmental systems, advocating for a holistic perspective that recognizes the vital role of social justice, equity, and inclusion in environmental decision-making. Furthermore, the symposium brought to the forefront the pivotal role of technology and innovation in promoting sustainability. Participants explored the transformative potential of technologies like renewable energy, smart cities, and circular economies in reshaping lifestyles and reducing environmental footprints. In summary, the Symposium on "Sustainability for the Next Generation: Advancing Environmental Solutions in Policy and Practice" proved to be a resounding success. Beyond generating valuable insights, it served as a platform for collaborative partnerships

and the exchange of new and innovative ideas. By bringing together experts from diverse fields, the symposium laid the foundation for a more sustainable future. The symposium's objectives were clear and focused. It aimed to convene a diverse range of experts, policymakers, and practitioners to discuss and explore strategies for advancing environmental sustainability in the 21st century. These objectives included delving into pressing environmental challenges, sharing innovative solutions, investigating the role of policy, fostering collaborations, emphasizing social justice and equity, and inspiring the next generation of leaders in the field of sustainability. Collectively, these objectives steered discussions and actions toward a more sustainable future by identifying and sharing innovative solutions and fostering interdisciplinary collaboration.