

SUSTAINABILITY REPORT 2022-2023

Contributions Towards SDGs

Edited by
Professor Dr. Md. Kabirul Islam



Daffodil International University

August 2023

SUSTAINABILITY REPORT 2022-2023

Contributions Towards SDGs

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Foreword

Daffodil International University is a young university in Bangladesh. The university has been maintaining educational quality since its inception in 2002. The prime intention was to produce graduates to fulfill demands of the country and serve the society around them and beyond. Apart from academic and co-curricular activities, the teaching and learning communities are highly encouraged to engage themselves in various development initiatives executed nationally and globally. The university has a reputation for its Information Technology (IT) supported infrastructure in Bangladesh and partnerships with the Government Organizations, industry, NGOs and international collaborators for their involvement in various development sectors. The stakeholders of the university are committed to working for the United Nations Sustainable Development Goals (SDGs). A lot of courses of different programs have been made aligned with the SDGs to acquaint the students with the challenges and identify solutions to act on it in a professional manner. Nevertheless, our contributions include several innovative projects which are under implementation at different departments and huge numbers of quality publications done by the faculty members jointly with the national and international partner universities. The Division of Research is managing a sustainability for development website to highlight our achievements and evidence and communicate to the international communities.

The sustainability report 2022- status of SDGs of DIU is an excellent initiative of the Division of Research. The report is a glimpse of the events, activities, ongoing projects, research outcomes and their significance, and the attainments. Mr. Mohammad Monir Hossain, Senior Assistant Director of the Division of Research has performed the key responsibility of collecting the facts and organizing the resources. Our esteemed colleagues from the Department of ESDM, Civil Engineering, Architecture, EEE, Public Health, Nutrition and Food Engineering and Law responded to my request in a timely manner and provided their scholarly inputs and outcomes. Our heartiest congratulations to the contributors for their outstanding performances.

Professor Dr. Md Kabirul Islam
Dean, Faculty of Graduate Studies

The UN agenda for SDGs and DIU Context

According to the United Nations, Sustainable Development Goals (SDGs) were adopted by its member states to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030. The proper integration of policy interventions in all 17 areas of SDGs will lead to taking action in one area will affect outcomes in others and eventually development must balance social, economic and environmental sustainability. As a higher education institute, Daffodil International University (DIU) is committed to respond to this universal call for SDGs and take actions to comply with the United Nation's endeavor and to support the Government of Bangladesh for achievement of desired outcomes. In this regard DIU is working closely with the Government, private sector, civil society and citizens jointly for implementation of SDGs and to make sure that we create a better and sustainable planet for our future generations.

In the past few years, Daffodil International University has been striving to make a footprint in this arena through its contributions towards sustainable development initiatives. In order to promote achievement of certain SDGs through research and academic excellence DIU has established a separate academic department namely Department of Environmental Science and Disaster Management (ESDM). In addition, a number of departments for example, Civil Engineering, Architecture, Electrical and Electronic Engineering, Public Health, and Nutrition and Food Engineering undertake a lot of initiatives which are aligned with the SDGs. The student affairs division of DIU conducts numerous events engaging students of all levels round the year to meet the challenges of SDGs and consequently, it increases environmental awareness of the students as a whole. The university adopts sustainable practices in all its development activities and initiatives. Apparently, DIU arranges a lot of events in collaboration with other partners in the area of sustainability and environmental wellbeing every year.



Table of Contents

SUSTAINABILITY REPORT 2022-2023 1

SDG1: 7

SDG2: 13

SDG3: 21

SDG4: 32

SDG5: 45

SDG6: 51

SDG7: 58

SDG8: 65

SDG 9: 75

SDG10: 83

SDG 11: 89

SDG 12: 98

SDG 13: 107

SDG 14: 113

SDG 15: 116

SDG 16: 122

SDG 17: 131

SDG-wise Contributions and Progress **Daffodil International University**





SDG1:

Sustainable Development Goal 1, one of the 17 Sustainable Development Goals established by the United Nations in 2015, calls for the end of poverty in all forms. The official wording is: "No Poverty".

DIU's Contributions and Progress:

Number of low-income students receiving financial aid

Category	Number/percentage
Full waiver/ 100% scholarship/financial aid	300+
Partial scholarship/waiver/financial aid	7100+
% of financial aid receiving students to total students	43%+
Female students received financial aid	2200+

Majority of DIU Students come from Poor Family:

Daffodil International University (DIU) is operating in Bangladesh, a developing country. Given the fact that its fees are 40% lower than other private universities, rural and underprivileged students are attracted due to the lower financial capacity of their parents. Currently, over ninety percent (90%) of DIU students come from a rural background. These students consist of the children of farmers, household workers, street workers, rickshaw pullers, drivers, i.e., parents from a lower income background. They can ill afford to stay in proper urban accommodation. The university provides access to subsidized accommodation and food facilities for the poor but meritorious students with a low cost.

Students coming from a rural background	90%+
Subsidized accommodation facilities for students	5000+
Subsidized food facilities for students	15000+

Scholarship Facilities for poor students at DIU:

- DIU Scholarship
- Need-based Waiver
- Talent Scholarship Program
- Freedom Fighter Quota Waiver
- Scholarship for 'Are you the next startup?'
- Chairman Endowment Fund Scholarship
- Lutfar Rahman Scholarship
- Razia Begum Scholarship
- Mofiz Uddin Majumder Scholarship
- Delwar Hussain Chowdhury Scholarship
- Late Hafez Md. Abdur Rahim and Late Mrs. Jarina Begum Scholarship
- Late Professor Dr. Ahmad Husain and Late Mrs. Mahbuba Hossain Scholarship
- Akij Group (Trust) Scholarship
- Talent hunt scholarship for foreign students <https://daffodilvarsity.edu.bd/int-scholarship/scholarship-int>

Link: <https://daffodilvarsity.edu.bd/scholarship>

One Student One Laptop initiative:

Till date more than 50000 laptops have been distributed to students free of cost

At university, however, these students are expected to be IT enabled, i.e., to have adequate access to computers and computing facilities to do their assignments, projects, online discussions and report writing. However, it has been found that the majority of these students are unable to purchase their own laptops for their personal use due to lack of money. The University has taken initiative to provide one laptop to every student under the project “One Student One Laptop” so that the students coming from poor and underprivileged families can use laptops to advance their IT-based knowledge and they do not lag behind due to their poverty. Till date more than 50000 laptops have been distributed to students free of cost.



Zunaid Ahmed Palak, State Minister of ICT Division of Ministry of Posts, Telecommunication & ICT distributing Laptop among the students under 'One Student-One Laptop' project of Daffodil International University yesterday. Dr. Md. Sabur Khan, Chairman, Board of Trustees, Professor Dr. Yousof M Islam, Vice Chancellor of the university and Mohammad Muslemmeh, CEO, Daffodil Events.

5,000 DIU students get free laptop

METRO DESK
A total of 1,500 students of Daffodil International University (DIU) received laptop free of cost on Saturday under the university's "One Student-One Laptop" project.
Md Sabur Khan, chairman of the Board of Trustees of DIU, presided over the programme while DIU vice chancellor Prof. Dr. M. Lutfar Rahman, and its Pro-VC Prof. Dr. Md. Golam-Rahman, among others, were also present on the occasion.
Thanking the DIU authority to implement the "One Student-One Laptop" project, the chief guest, in his speech, said technology is no part and parcel of teaching-learning across the globe.
The present government is working relentlessly for the development of ICT sector with an aim to build "digital Bangladesh".
Mentionable, the DIU authority has taken the "One Student-One Laptop" project in 2010 and the last one is the eleventh phase of the programme.



The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-1. Below is a highlight of such contribution:

Sl.	Article Title
1	SARS-CoV-2 emerging Omicron subvariants with a special focus on BF.7 and XBB.1.5 recently posing fears of rising cases amid ongoing COVID-19 pandemic
2	Application of a distributed verification in Islamic microfinance institutions: a sustainable model
3	Methods of Urea Fertilizer Application Influence Growth, Yield, and Nitrogen Use Efficiency of Transplanted Aman Rice
4	A Stupendous Statistics on the Pandemic Impact on All Sectors of Bangladesh
5	Dryland Livestock Rearing Relies Heavily on Tree fodders: A Narrative Review
6	The Impact of Green Entrepreneurship on Social Change and Factors Influencing AMO Theory
7	Psychological impact of school closure and social isolation on female students during Covid-19: A case study from Bangladesh
8	Exploring the nexus between fiscal decentralization and energy poverty for China: Does country risk matter for energy poverty reduction?
9	Economic Viability and Seasonal Impacts of Integrated Rice-Prawn-Vegetable Farming on Agricultural Households in Southwest Bangladesh
10	Iron replacement therapy in iron deficiency anemia: A perspective revisited for low-and middle-income countries
11	Impact of lockdown due to COVID-19 on nutrition and food security of the selected low-income households in Bangladesh
12	Farmers' livelihood and adaptive capacity in the face of climate vulnerability
13	Sentiment Analysis from User-Generated Reviews of Ride-Sharing Mobile Applications
14	IoT-Based Low-Cost Automated Irrigation System for Smart Farming

Activities and Events:

Daffodil Institute of Social Sciences (DISS): Nurturing Vulnerable Children for a Sustainable Tomorrow



The Daffodil Institute of Social Sciences (DISS), inaugurated on November 14, 2022, is a non-profit organization with a mission to uplift extremely poor and underprivileged children. Inspired by Kalinga Institute of Social Sciences (KISS) in India, DISS aims to nurture these children into valuable contributors to society while emphasizing values and respect. The initiative aligns with Sustainable Development Goals (SDGs) and is part of Daffodil International University and Daffodil Foundation's commitment to academic social responsibility. The inauguration was graced by Prof. Dr. Achyut Samanta, founder of KIIT and KISS, and attended by Md. Sabur Khan,

Chairman of Daffodil International University, along with other university officials and project leaders. DISS represents a commitment to creating a brighter, more sustainable future for underprivileged children.

Empowering Entrepreneurial Leadership: Daffodil Leadership Summit 2023

The Daffodil Leadership Summit 2023, hosted by the Faculty of Business and Entrepreneurship at Daffodil International University in Birulia, Dhaka, gathered over 100 students and educators to inspire and educate on entrepreneurial leadership.



Accomplished women entrepreneurs, including Ms. Selima Ahmad, Dr. Nadia Binte Amin, and Ms. Kohinoor Yeasmin, shared their insights. The event featured a panel discussion led by Dr. Md. Shibli Shahriar, aligns with Sustainable Development Goals (SDGs) by promoting entrepreneurial leadership and gender equality. Professor Dr. Mohammed Masum Iqbal, the Dean of the Faculty, expressed gratitude to the guests and participants for their contributions.

Empowering Entrepreneurs for the Fourth Industrial Revolution: Industry-Academia Lecture Series

Mr. Ahsan Khan Chowdhury, Chairman and CEO of PRAN-RFL Group, delivered a keynote address at the 'Industry-Academia Lecture Series on Essential Qualities of an Entrepreneur to meet the Challenges of Fourth Industrial Revolution.' This event, organized by the Industrial Innovation Center (IIC) at Daffodil International University, emphasized the role of private sector entrepreneurs in Bangladesh in boosting production and creating jobs despite various challenges. Mr. Chowdhury's insights align with SDGs related to economic growth and decent work.



DIU Accelerator Cup 2023: Fostering Entrepreneurial Excellence

The DIU Accelerator Cup 2023 held at Daffodil Smart City in Dhaka celebrated student entrepreneurship and innovation, aligning with SDG 8 (Decent Work and Economic Growth). Daffodil International University students from various departments showcased their entrepreneurial ideas, competing for the best startup title. Winners received seed funds and internships at leading startups, with Dr. Md. Sabur Khan, the university's Chairman, emphasized the institution's commitment to fostering entrepreneurship and economic growth. These promising winners are expected to contribute to the achievement of the SDGs through their entrepreneurial journey.



Global Entrepreneurship Week 2022: Empowering Bangladesh's Entrepreneurs for a Sustainable Future

From November 14 to 20, 2022, Bangladesh joined the Global Entrepreneurship Network (GEN) in celebrating Global Entrepreneurship Week. This worldwide initiative, supported by 20,000 partners across 200 countries, featured 40,000 activities to inspire and empower nearly 10 million individuals in entrepreneurship development. As a GEN member country, Bangladesh's participation in Global Entrepreneurship Week 2022 aims to raise awareness and empower aspiring entrepreneurs, contributing to the growth of a vibrant entrepreneurial ecosystem in the nation. This event aligns with Sustainable Development Goals (SDGs) by fostering innovation, economic growth, and sustainable business practices for a better future.



Empowering Entrepreneurs: DIU's 1st Entrepreneurs' Reunion -2022



In alignment with SDG, the Department of Innovation and Entrepreneurship at Daffodil International University organized its inaugural "1st Entrepreneurs' Reunion -2022." This event celebrated successful entrepreneurs while fostering connections between current students and alumni entrepreneurs. The program was graced by the presence of the university's Honorable Chairman, Vice Chancellor, Pro-Vice Chancellor, Deans, Faculty members, entrepreneurs, and students at the International Conference Hall, Daffodil Smart City, Ashulia. Entrepreneurs of the country create jobs for others and indirectly contribute to the poverty alleviation of families.



**End hunger, achieve
food security and
improved nutrition
and promote
sustainable agriculture**

SDG2:

Sustainable Development Goal 2 aims to achieve "zero hunger". It is one of the 17 Sustainable Development Goals established by the United Nations in 2015. The official wording is: "End hunger, achieve food security and improved nutrition and promote sustainable agriculture".

DIU's Contributions and Progress:

At a glance:


Established relevant academic Departments	i) Department of Nutrition and Food Engineering (NFE) ii) Department of Agricultural Science
Students studying in these departments	1000+
Number of students graduated from NFE Department and contributing to food industry at home and abroad	2500+
Providing subsidized food for students through GreenGaarden and Startup Food	15000+
Providing subsidized food for staff	1200+
Food waste reduced and managed on campus	16.20 metric ton

Green Garden Restaurant:

Green Garden Restaurant is operating adjacent to the green campus of DIU at Dattapara, Birulia, Savar, Dhaka. The Green Garden Restaurant offers a great tasting and delicious variety of foods based on the choice of different categories of students and staff including vegetarian, non-vegetarian, etc. with WiFi facility. The Restaurant provides fresh, organic and hygiene foods in order to satisfy its customers. The Green Garden is an initiative by the students of DIU and is being used as a Lab of NFE and THM Students.


Food choice and menu: <https://greengarden.daffodil.university/display-board>

Green Garden
02:14 PM




Breakfast (07:00-11:00)

#	NAME	PRICE
1	Porata	10/=
2	Egg Fry	15/=
3	Dal Fry	20/=
4	Samosa	10/=
5	Singara	10/=
6	Vegetables Mix	25/=
7	Momo	30/=




Lunch (12:00-03:00)

#	NAME	PRICE
1	Plain Pillaue	30/=
2	Fried Rice	40/=
3	Biryani Rice	40/=
4	Jeera Rice	30/=
5	Chicken Roast	110/=
6	Mustard Chicken	40/=
7	Malai Chicken	40/=



Dinner* (19:00-23:00)

#	NAME	PRICE
1	Special Offer 04 - Rice, Egg Bhuna, Dal	50/=
2	Special Offer 03 - Rice, Chicken Masala, Dal	65/=
3	Special Offer 02 - Rice, Chicken Masala, Vegetable	70/=
4	Special Offer One	110/=
5	Southwestern Chicken Soup	350/=

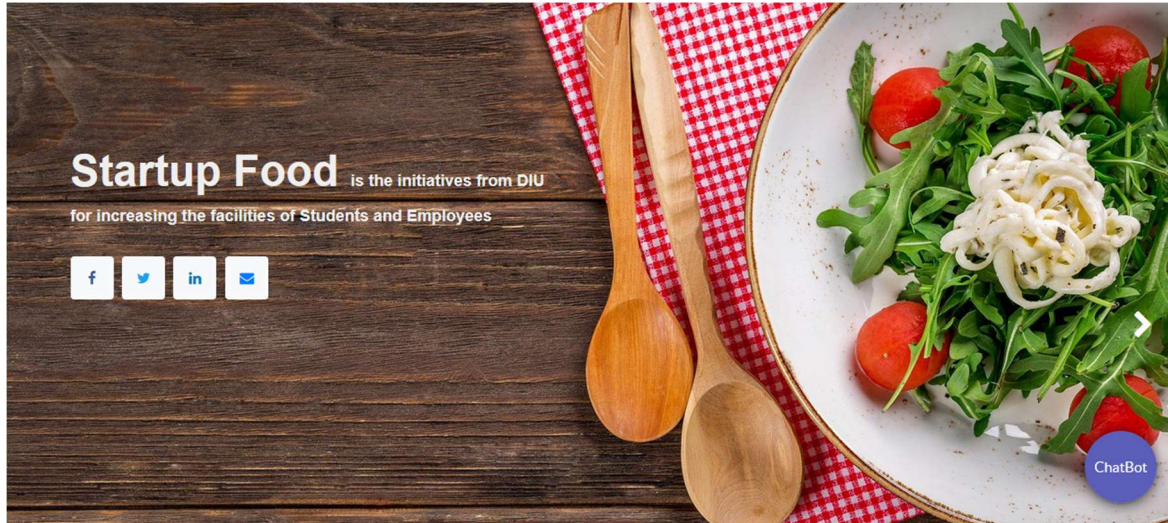


Beverage (07:00AM-09:00PM)

#	NAME	PRICE
1	Pepsi	20/=

Startup Food available at DIU Foodcourt:

Startup Food is the initiative from DIU to increase the food facilities with nutrition, hygiene and quality for Students, staff and guests in campus in an affordable manner.



Link: <https://pd.daffodilvarsity.edu.bd/startup-food>

Organic (Food) waste reduction and management on campus



Daffodil Agro Complex:

Daffodil Agro Complex was established in 2017 for the conservation, development, production, research and extension of different kinds of organic local and foreign fruits to ensure availability of nutritious and organic foods and contribute to the food industry. This project has been started with the financial assistance of Daffodil International University in

order to develop societal, academic and skill-based professionals under the Agro Sectors of the country. Most fruit plants are broad-leaved and evergreen, which absorb more CO₂ and release more O₂, consequently ensuring a clean and healthy environment.



Contributions to knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-2. Below is a highlight of such contribution:

SL	Article Title
1	Fast-food and obesity: Status among the young adult population in Bangladesh
2	Repurposing food molecules as a potential BACE1 inhibitor for Alzheimer’s disease
3	Mini Nutritional Assessment and physical function of older people in residential aged care facility, Bangladesh
4	Essential oils as valuable feed additive: A narrative review of the state of knowledge about their beneficial health applications and enhancement of production performances in poultry
5	Potential effects of essential oils in safeguarding the health and enhancing production performance of livestock animals: The current scientific understanding
6	Recognizing novel drugs against Keap1 in Alzheimer’s disease using machine learning grounded computational studies
7	Multidimensional Chromatography and Its Applications in Food Products, Biological Samples and Toxin Products: A Comprehensive Review
8	Factors influencing organic food purchase decision: fuzzy DEMATEL approach
9	Selenate and selenite transporters in proso millet: Genome extensive detection and expression studies under salt stress and selenium
10	Pectin: A Bioactive Food Polysaccharide with Cancer Preventive Potential
11	Cruciferous vegetables as a treasure of functional foods bioactive compounds: Targeting p53 family in gastrointestinal tract and associated cancers
12	Development of a capsule phase microextraction methodology for the selective determination of coumarin in foodstuff analyzed by HPLC-DAD
13	Expanding the applicability of magnet integrated fabric phase sorptive extraction in food analysis: Extraction of triazine herbicides from herbal infusion samples
14	Dietary Alterations in Impaired Mitochondrial Dynamics Due to Neurodegeneration

15	Natural biopolymeric nanotechnology-based food packaging materials with antimicrobial properties
16	Phytochemicals, Nutrition, Metabolism, Bioavailability, and Health Benefits in Lettuce—A Comprehensive Review
17	Prospective multifunctional roles and pharmacological potential of dietary flavonoid narirutin
18	Dynamic linkages between climatic variables and agriculture production in Malaysia: a generalized method of moments approach

Activities and Events:

Fostering Well-being: Exploring Sports Nutrition & Diet in Ramadan for Sustainable Health



Daffodil International University organized a seminar titled "Sports Nutrition & Diet in Ramadan" in alignment with Sustainable Development Goals (SDGs) related to health and well-being. The event, led by multiple departments and the "Nutrition & Health Bee" Club, aimed to raise awareness about nutrition during Ramadan. Key speakers Dr. Arif Chowdhury Apou and Amena Jannat Nipa discussed sports nutrition and the role of diet in maintaining health and activity levels. This initiative reflects the university's commitment to SDGs, particularly Goal 3 (Good Health and Well-being) and Goal 2 (Zero Hunger), by promoting healthy living through proper nutrition.

Eid Bazar for Deprived-2023: A Celebration of Community and Giving

In a heartwarming display of community spirit and commitment to the SDGs, the Social Business Students' Forum (SBSF) organized the 'Eid Bazar for Deprived-2023.' This event exemplifies the essence of SDG 1 (No Poverty) and SDG 2 (Zero Hunger) by providing essential items to 52 underprivileged families, enabling them to celebrate Eid-ul-Fitr with joy and dignity. The act of giving back to the community is at the core of SDG 10 (Reduced Inequality) and SDG 17 (Partnerships for the Goals), as it reflects the collective effort to create a more inclusive and equitable society.



Art of Giving 2023: Spreading Joy and Nourishment

On May 17, 2023, Daffodil Family-Bangladesh, in collaboration with the Art of Giving Community, KIIT & KISS India, celebrated the 'Art of Giving' day by distributing food packets to support staff across four different locations in Bangladesh. This event contributed to SDG 2 (Zero Hunger) and SDG 3 (Good Health and Well-being) and emphasized humanitarian causes and promoting peace, joy, and

harmony in the world, with Dr. Md. Sabur Khan, Chairman of the Daffodil Family, playing a key role in these efforts.

Elevating Bread Baking Quality: Global Insights from Erasmus+ Exchange



Students benefited from two global lecture sessions on bread baking quality led by professors from "Lucian Blaga" University of Sibiu, Romania, as part of the Erasmus+ academic exchange program. The lectures covered ingredient selection, dough preparation, fermentation, and baking techniques, emphasizing the importance of bread quality. This event promotes quality education and international collaboration, aligning with Sustainable Development Goals (SDGs) for sustainable growth.

Nurturing Healthy Futures: DIU Nutrition Students' Community Outreach



The final-year students of Daffodil International University's Department of Nutrition and Food Engineering, Batch 201, undertook a Community Outreach activity to promote SDG 3 (Good Health and Well-being). They visited primary schools in Birulia, Savar, and Daffodil Institute of Social Sciences (DISS) to raise awareness about nutrition and healthy habits among young students. Through interactive methods like role-plays, poster presentations, quizzes, and games, they conveyed vital nutritional knowledge, emphasizing the importance of a balanced diet and physical activity for a healthier

lifestyle. These students are actively contributing to healthier futures for their communities.

Celebrating Kathal (Jackfruit) Festival: Promoting Sustainable Agriculture and Biodiversity



Daffodil International University organizes the annual Katal (Jackfruit) Festival to promote the jackfruit as a national treasure and elevate it to international prominence. This event aligns with various UN Sustainable Development Goals, including responsible consumption and production and sustainable agriculture. The goal is to make jackfruit a global favorite, and systematic planning goes into each festival. The university hopes for increased participation from individuals, institutions, and government bodies related to agriculture in the upcoming seasons, extending gratitude to students for their enthusiastic involvement in the festival's success.

Sustainable Agriculture for Empowering Entrepreneurs

The "Daffodil Agro Project," located in Gozaria, Munshiganj, is a sustainable agricultural initiative managed by Daffodil International University's Department of Nutrition and Food Engineering and Department of Innovation and Entrepreneurship. It focuses on cultivating organic fruits sourced from the Germplasm Center of Bangladesh Agricultural University. Recently, it hosted faculty members from Mykolas Romeris University, Lithuania, as part of the EU's Erasmus Scholarship program. The project provides DIU students with opportunities for practical research, low-cost organic food production, and marketing, aligning with the United Nations Sustainable Development Goals (SDGs) and fostering entrepreneurship skills.



Contribution to SDG 2 related Developing National Food Safety Indicators

Dr. Mst. Sorifa Akter, Assistant Professor, Department of Nutrition and Food Engineering, Daffodil International University, as an expert, attended and contributed to the Consultation Workshop on "Developing National Food Safety Indicators" on 25 January 2022 jointly organized by Food and Agriculture Organization of the United Nations (FAO) and Bangladesh Food Safety Authority (BFSA). She also contributed to the Validation Workshop on "Developing

National Food Safety Indicators for Priority Identification and Proposal Formulation" on 7 June 2022 where around 40 multi-sectors' stakeholders preferably from Bangladesh Food Safety Authority (BFSA), Ministry of Food (MoFood), Ministry of Agriculture (MoA), representatives from different government organizations, research institutions, universities, food manufacturers, exporters etc were present.

Food and Agriculture Organization of the United Nations (FAO) and Bangladesh Food Safety Authority (BFSA) organized those workshops on the three food safety indicators (FSI) identified during multi sectoral consultation workshops: (i) Percentages of population having with access



to safe water, (ii) Percentage of identified and reported occurrence of microbiological hazards (Salmonella spp, E-coli and Listeria monocytogenes), chemical hazards (Antibiotic residues, Pesticide residues and Heavy metals) and physical hazards in all types of foods and (iii) Number of motivated activities have taken by food business operators for implementing documented self-checking food safety management system in accordance with food safety standard. The objective of the workshop was to validate these FSIs to get expert suggestions for the selection of national FSIs for the next way forward.

World Food Day 2022: Leaving No One Hungry for a Sustainable Future

The Department of Nutrition and Food Engineering at Daffodil International University Celebrated World Food Day 2022 with a focus on the theme "Leave NO ONE behind." Their dedication to ensuring safe and nutritious food aligns with Sustainable Development Goal 2, "Zero Hunger," aiming to eliminate hunger and malnutrition for a sustainable and equitable future.



Daffodil Institute of Social Sciences (DISS): Nurturing Vulnerable Children for a Sustainable Tomorrow



The Daffodil Institute of Social Sciences (DISS), inaugurated on November 14, 2022, is a non-profit organization with a mission to uplift extremely poor and underprivileged children. DISS aims to nurture these children into valuable contributors to society while emphasizing values and respect. The initiative aligns with Sustainable Development Goals (SDGs) and is part of Daffodil International University and Daffodil Foundation's commitment to academic social responsibility. The inauguration was graced by Prof. Dr. Achyut Samanta, founder of KIIT and KISS, and attended by Md. Sabur Khan, Chairman of Daffodil International University, along with other university officials and project leaders. DISS

represents a commitment to creating a brighter, more sustainable future for underprivileged children.

Research Projects:

- 1) Title: Development of baked cakes using sweet potato peels powders.

Project Director: Dr. Mst. Sorifa Akter

Funding agency: Ministry of Science and Technology, People's Republic of Bangladesh

- 2) Title: Development of snacks and cookies by using pumpkin seeds and peels. Research

Project Director: Dr. Mst. Sorifa Akter

Funding agency: Ministry of Science and Technology, People's Republic of Bangladesh



SDG3:

Sustainable Development Goal 3, regarding "Good Health and Well-being", is one of the 17 Sustainable Development Goals established by the United Nations in 2015. The official wording is: To ensure healthy lives and promote well-being for all at all ages.

DIU's Contributions & Progress:

Number of Graduates in Health disciplines	800+
Total graduates in all disciplines	5300+
Number of academic departments in public health disciplines	3
Publication of Academic Journal: DIU Journal of Allied Health Sciences	2 Issues
Number of Students in Health disciplines	Around 2,500
Number of Total Students	Around 17,000

Smoking Free Campus

DIU has implemented a smoking-free campus policy guidelines to ensure a healthy environment within and surrounding of the campus.



Policy guidelines link: <https://sustainability4d.daffodilvarsity.edu.bd/guidelines-on-smoking-free-campus>

Collaboration with World Health Organization (WHO) for Technical Support for the 5th Malaria Joint Monitoring Mission (JMM-5):

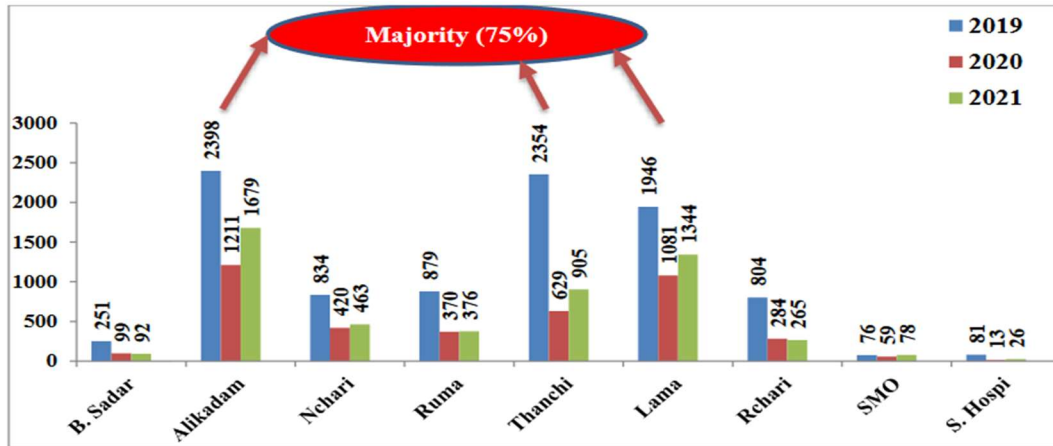


Figure-3: Bandarban Upazila-wise Case Distribution: 2019 – 2021

Under the collaboration between World Health Organization (WHO) and DIU, the Public Health Department of the university provided unbiased recommendations for the National Malaria Elimination efforts in the country. The DIU researchers contributed to the:

1. analysis of existing program data, and relevant documents pertaining to health systems, private sector, other public sector organizations to provide relevant recommendations, based on their expertise local knowledge.
2. expert technical inputs based on relevant local context to develop the checklists, and other technical documents during the preparatory phase of the JMM.
3. field visits to Dhaka/Gazipur, Bandarban, Cox's Bazar, Rajshahi / Chapai Nawabganj, Sylhet etc. stakeholder meetings, dissemination meetings to support the national program and international experts in their technical and advocacy efforts.
4. drafting of the final JMM-5 report and include relevant implementable recommendations, based on their knowledge of the country context.

Collaboration with Bangladesh Medical Research Council



The Public Health Department of DIU has been conducting a research project entitled "Health problems of University Students Due to Smartphone Addiction" in collaboration with Bangladesh Medical Research Council (BMRC) under HPNSP. Prof. Dr. Md. Shahjahan from the Public Health Department of DIU is leading the project to identify the health-related problems resulting from excessive use of smartphones and how the problem can be solved.

Outreach Activities on Health Issues:

The Hepatitis 'B' Virus or Liver Cirrhosis Immunization Program Arranged by DIU

One in every twelve people of the world are affected by Hepatitis 'B'. The Hepatitis 'B' Virus or Liver Cirrhosis Immunization Program was arranged by Social Business Students' Forum (SBSF) of DIU and managed by Family and Community Empowerment Support (FACES). This was organized as part of DIU's social responsibility with the motto of elimination of hepatitis B thinking about the health and safety of everyone including the students of the University. The three doses of the vaccine were given by arranging three camps between May to August 2022.



More than one thousand students, employees, faculty and local community people got Hepatitis 'B' vaccine under the program. There is a need to be fully aware of this virus and getting vaccinated against 'Hepatitis B' virus helps to protect ourselves and our surroundings, and our families

DIU Faculty Contributed to the Major Medical Journals of Bangladesh



Prof. Dr. Md. Shahjahan, Department of Public Health Department of Daffodil International University contributed to the workshop on "Orientation of Editors and Reviewers of Four Major Medical Journals of Bangladesh " as an expert in this field. He is also contributing to the DIU Journal of Allied Health Sciences.

DIU Medical and Fitness Center:

Medical Center	01 (with required amenities)
Emergency Health support	Yes
Ambulance service in campus	01 (24/7)
Full time doctors (Resident)	03 (MBBS)
Full time nurses (Resident)	03
Full time Psychologists	02
Number of students received healthcare services	2000+
Number of staff received healthcare services	500+
Number of students received fitness/Gym facilities	1000+
Number of staff received fitness/Gym facilities	100+
First Aid Box	Available in every department

Daffodil International University (DIU) strictly complies with emergency as well as first aid as and when needed. DIU Medical Center always aims at ensuring prompt healthcare support for all the Students, Teachers, Officers and Staff. DIU has full-time doctors and psychologists who are dedicatedly serving to ensuring the physical health and mental health fitness of its students, staff, and faculty members.



A 3-storeyed well-equipped DIU Medical Centre is situated in both main campuses and at the permanent campus. Students, teachers and other employees receive treatment & medical advice here.

Link: <https://daffodilvarsity.edu.bd/medical/diu-medical-center>

List of Medical Staff: <https://daffodilvarsity.edu.bd/medical/medical-personnel>

DIU Ambulance service:

Link: <https://drive.google.com/file/d/107wyqkITaRtg6BqcbmhqwGG33DI3XtNq/view?usp=sharing>

Collaboration with Government on premarital sexual behavior and associated risk on reproductive health Research

Dr. Md. Kamrul Hossain, Associate Professor of DIU, as a consultant, collaborated with the Planning Commission under Ministry of Planning, Government People's Republic of Bangladesh in research on premarital sexual behavior and associated risk on reproductive health. He also delivered a presentation on perception of female



students of universities on premarital sexual behavior and associated risk on reproductive health at the Social Science Research Council of the Planning Commission highlighting the findings and recommendations of the research project. The findings of the research project will pave the way for reducing the risk associated with premarital sex and reproductive health of females.



DIU Visiting Faculty Prof. Dr. Mohammad Amjad Kamal Contributed in the 5th West China International Nursing Conference

Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-3. Below is a highlight of such contribution:

SL	Article Title
1	Essential oils as valuable feed additive: A narrative review of the state of knowledge about their beneficial health applications and enhancement of production performances in poultry
2	Recognizing novel drugs against Keap1 in Alzheimer's disease using machine learning grounded computational studies
3	Monkeypox Disease: History, epidemiology, threat Assessment, and Management Strategies
4	Changing Patterns in the Spread of Human Monkeypox: A Dangerous New Development in Disease Epidemiology
5	Major Advances in Monkeypox Vaccine Research and Development – An Update

6	An overview on Monkeypox, Current Paradigms and Advances in its Vaccination, Treatment and Clinical Management: Trends, Scope, Promise and Challenges
7	Noise Pollution, its Causes and Health Consequences in Bangladesh
8	Spatial Distributions and Risk Assessment of the Natural Radionuclides in the Granitic Rocks from Gabal Gattar II, Eastern Desert, Egypt
9	Bioactivities of <i>Vitex negundo</i> (Linn) leaf Crude and Fractionated extracts
10	Knowledge of HIV/AIDS among married women in Bangladesh: analysis of three consecutive multiple indicator cluster surveys (MICS)
11	Tetraspanin-enriched Microdomain Containing CD151, CD9, and TSPAN 8 – Potential Mediators of Entry and Exit Mechanisms in Respiratory Viruses Including SARS-CoV-2
12	The Inhibition of SARS-CoV-2 and the Modulation of Inflammatory Responses by the Extract of <i>Lactobacillus sakei</i> Probio65
13	Breast Cancer Classification by Using Multi-Headed Convolutional Neural Network Modeling
14	Assessment of Perception and Barriers toward Orthodontic Treatment Needs in the Saudi Arabian Adult Population
15	Hospitalization and Mortality by Vaccination Status among COVID-19 Patients Aged \geq 25 Years in Bangladesh: Results from a Multicenter Cross-Sectional Study
16	Recent Trends and Developments in Multifunctional Nanoparticles for Cancer Theranostics
17	Antidiabetic Potential of Commonly Available Fruit Plants in Bangladesh: Updates on Prospective Phytochemicals and Their Reported MoAs
18	Footwear and insole design parameters to prevent occurrence and recurrence of neuropathic plantar forefoot ulcers in patients with diabetes: a series of N-of-1 trial study protocol
19	Proteomic Signature and mRNA Expression in Hippocampus of SAMP8 and SAMR1 Mice during Aging
20	Utilization of Knowledge Management as Business Resilience Strategy for Microentrepreneurs in Post-COVID-19 Economy
21	Molecular and Phytochemical Characterizations of <i>Cichorium intybus</i> L. in Diverse Ecogeographical Regions of Kashmir Himalaya
22	Artificial Intelligence in Pediatric Cardiology: A Scoping Review
23	Design and Parametric Analysis of a Wide-Angle and Polarization Insensitive Ultra-Broadband Metamaterial Absorber for Visible Optical Wavelength Applications
24	Evaluations of Paranasal Sinus Disease Using Multidetector Computed Tomography in Taif City, Saudi Arabia
25	Pre-COVID-19 knowledge, attitude and practice among nurses towards infection prevention and control in Bangladesh: A hospital-based cross-sectional survey
26	COVID-19 related anxiety and its associated factors: a cross-sectional study on older adults in Bangladesh
27	Recent poliovirus outbreaks and vaccination: A perspective
28	Legionella pneumonia in Argentina: A disease cluster to worry about

29	Health risk assessment and source apportionment of potentially toxic metal(loid)s in windowsill dust of a rapidly growing urban settlement, Iran
30	Novel insights on the role of VCAM-1 and ICAM-1: Potential biomarkers for cardiovascular diseases
31	Analysis of seven selected antidepressant drugs in post-mortem samples using fabric phase sorptive extraction followed by high performance liquid chromatography-photodiode array detection
32	Role of gut hormones in diabetes mellitus: An update
33	A decade's worth of impact: Dox loaded liposomes in anticancer activity
34	Biochemical and Pharmacological aspects of Ganoderma lucidum: Exponent from the in vivo and computational investigations
35	The burden of chronic diseases and patients' preference for healthcare services among adult patients suffering from chronic diseases in Bangladesh
36	Colon cancer and colorectal cancer: Prevention and treatment by potential natural products
37	Current Overview on the Potency of Natural Products for Modulating Myeloid-derived Suppressor Cells Dependent Cold Tumors
38	The Association Between the Risk of Breast Cancer and Epigallocatechin-3-Gallate Intake: A Literature Review of a Potential Chemopre-ventive Agent
39	Naphthoquinones and derivatives as potential anticancer agents: An updated review
40	Common human diseases prediction using machine learning based on survey data
41	Assessment of breast dose and cancer risk for young females during CT chest and abdomen examinations
42	Recent Advances in Epidermal Growth Factor Receptor Inhibitors (EGFRIs) and their Role in the Treatment of Cancer: A Review
43	The use of polygenic risk scores as a covariate in psychological studies
44	Evaluation of root canal morphology in permanent maxillary and mandibular anterior teeth in Saudi subpopulation using two classification systems: a CBCT study
45	Antenatal depression among women with gestational diabetes mellitus: a pilot study
46	Association between depressive symptoms and poor sleep quality among pregnant women in Northern Rural Bangladesh: a community-based cross-sectional study
47	Genomic profiling and network-level understanding uncover the potential genes and the pathways in hepatocellular carcinoma
48	Electrochemical Biosensor Based on L-Arginine and rGO-AuNSs Deposited on the Electrode Combined with DNA Probes for Ultrasensitive Detection of the Gastric Cancer-Related PIK3CA Gene of ctDNA
49	Pharmacophore-based virtual screening approaches to identify novel molecular candidates against EGFR through comprehensive computational approaches and in-vitro studies
50	An automatic on-line sol-gel pyridylethylthiopropyl functionalized silica-based sorbent extraction system coupled to flame atomic absorption spectrometry for lead and copper determination in beer samples

Activities and Events

Empowering Pharmaceutical Excellence: Recap of Pharma Fest 2023

The recently concluded Pharma Fest 2023, organized by the Department of Pharmacy at Daffodil International University (DIU), stands as a testament to the university's commitment to fostering pharmaceutical excellence and innovation. This three-day event not only facilitated knowledge sharing among students, academics, and industry professionals but also contributed to SDG 3 (Good Health and Well-being) by advancing discussions on the pharmaceutical industry's latest trends, challenges, and opportunities. Congratulations to DIU for promoting collaboration and excellence in this vital field!



Promoting Healthy Lifestyles: Unraveling the Power of Probiotics

In line with SDG 3 (Good Health and Well-being) and SDG 4 (Quality Education), Daffodil Smart City (DSC) proudly hosted the seminar, "Probiotics, The Hype of Healthy Lifestyle of New Generation." This collaborative effort with the Nutro Pharma Health Bee Club of the Faculty of Allied Health Sciences (FAHS) aimed to educate the new generation about the benefits of probiotics for a healthier life. Students from various departments eagerly participated in this event, where esteemed speakers, Dr. Arif Chowdhury Apou and Rajib Ruhan, shared their expertise. Thanks to all attendees for making this seminar a resounding success and staying tuned for more enlightening events ahead!



Fostering Well-being: Exploring Sports Nutrition & Diet in Ramadan for Sustainable Health

Daffodil International University organized a seminar titled "Sports Nutrition & Diet in Ramadan" in alignment with Sustainable Development Goals (SDGs) related to health and well-being. The event, led by multiple departments and the "Nutrition & Health Bee" Club, aimed to raise awareness about nutrition during Ramadan. Key speakers Dr. Arif Chowdhury Apou and Amena Jannat Nipa discussed sports nutrition and the role of diet in maintaining health and activity

levels. This initiative reflects the university's commitment to SDGs, particularly Goal 3 (Good Health and Well-being) and Goal 2 (Zero Hunger), by promoting healthy living through proper nutrition.

Community Health Outreach: Free Check-up Campaign in Daffodil Smart City



Daffodil International University, in alignment with UN Sustainable Development Goals, conducted a successful "Community Health Outreach" event, focusing on Goal 3 (Good Health and Well-being) and Goal 17 (Partnerships for the Goals). Collaborating with the DIU Medical Center and Department of Public Health, the event provided free medical check-ups, healthcare advice, and educational sessions to over 120 local residents. The university's commitment to social responsibility and access to quality healthcare was evident in this initiative, which marks the beginning of ongoing efforts to support the community's well-being. Stay tuned for more updates on their mission to create a healthier and happier community.

Fostering Future Healthcare Leaders: WHO Simulation 2023

The Bangladesh Medical Students' Society celebrated the successful launch of the WHO Simulation 2023, supported by WHO Bangladesh. This transformative two-day program, held at Daffodil International University, brought together aspiring healthcare leaders to address critical health challenges and align with SDG 3.

Mr. Mohibul Hassan Chowdhury, M.P., Deputy Minister of Education graced the closing ceremony as chief guest and guest of honor, respectively. This initiative empowers youth to drive positive change in healthcare, contributing to Bangladesh's SDG commitments.



Empowering Future Healthcare Leaders: WHO Simulation 2023



The Bangladesh Medical Students' Society, in collaboration with WHO Bangladesh, launched the WHO Simulation 2023 event at Daffodil International University, emphasizing SDG 3 (Good Health and Well-being). The program, held in partnership with the Department of Public Health at the university, spanned two impactful days and aimed to empower future healthcare leaders. Dr. Shamil Uddin Ahmed Shimul, an MP, and Professor Dr. M. Lutfar Rahman, Vice Chancellor of DIU, played key roles in the opening ceremony, highlighting the commitment to achieving SDGs in Bangladesh through healthcare initiatives.

Inauguration of Health Informatics Research Lab at DIU: Advancing SDGs Through Healthcare Innovation

The inauguration of the Health Informatics Research Lab at Daffodil International University signifies a commitment to advancing healthcare innovation and contributing to the Sustainable Development Goals (SDGs). Dr. Sami Azam, Senior Lecturer at Charles Darwin University, Australia, shared his insights during the ceremony, highlighting the lab's potential to drive positive change in healthcare through research and technology.



Nurturing Well-Being: DIU's Basic Psycho-social Support Skills Training



In line with SDG 3, Good Health and Well-being, Daffodil International University remains committed not only to academic excellence but also to the psychological and emotional well-being of its students. The Office of the Director of Students' Affairs organized a day-long training session titled "Basic Psycho-social Support Skills for Teachers" on August 31, 2022. The session, conducted by Dr. Lipy Gloria Rozario, a Counseling Psychologist, aimed to equip over 30 faculty members of DIU with essential psycho-social support skills and techniques. These skills will enable them to respond effectively to students' psychological and emotional challenges, ensuring their overall well-being.



SDG4:

Sustainable Development Goal 4 is about quality education and is among the 17 Sustainable Development Goals established by the United Nations in September 2015. The full title of SDG 4 is "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all".

DIU's Contributions and Progress:

Teachers' Training:

Number of Faculty Received Training on pedagogy, OBE, and quality education	200+
Department following implemented OBE curriculum	20
Number of graduates	5300+
Proportion of graduates with relevant qualification for teaching	100%
Students' dropout reduced	30%
Sustainability related courses	Around 250

DIU has implemented and has been practicing the following policies to ensure access to its educational resources and events:

[Policy for Creating Opportunities for Local Communities for Accessing Library Resources](#)

[Policy for Creating Opportunities for Local Communities for participation in Events and Programs](#)

Public access to educational resources, courses and events of DIU:

The 13th National Annual Quality Convention on Education (NAQCE) was jointly organized by the Bangladesh Society for Total Quality Management (BSTQM) and the Human Resource Development Institute of DIU in which more than 600 students from 45 schools and colleges came together to showcase their talents and passion for education. NAQCE was not just a competition but also a day filled with networking, inspiration, and the shared vision of advancing education in Bangladesh.



National HR Summit at DIU

Daffodil International University organized the National HR summit in collaboration with a2i (Aspire to Innovate) and supported by the Dhaka Chamber of Commerce and Industry (DCCI) and the Bangladesh Society of Human Resources Management (BSHRM).

ICT secretary Md Shamsul Arefin was present as chief guest at the inaugural ceremony, while Mohd Monirul Islam, additional secretary, SDG affairs, Prime Minister's Office, Mohammad Nuruzzamn, CEO, Daffodil Family, Tapan Kanti Sarker, president CTO Forum, Mohammad Mashequr Rahman Khan, president Bangladesh Society for Human Resource Development Anir Chowdhury, policy adviser, Aspire to Innovate, were present as special guests. Faculty, students, high officials along with HR professionals of various universities and business organizations attended the summit.

Training session for Park View School & College:



HRDI organized an empowering Teachers' Training session for Park View School & College on creating a learner-centric classroom where all of their teachers took part. Mr. Nazah Salawah, VP of Daffodil International School, and Mr. Amir Hamza, Assistant Director at HRDI, led an engaging workshop. Teachers delved into experiential learning methods to make

classrooms more student-centric.

Public access to online Courses at DIU:




Public Online session on Elevate your teaching journey with personal branding mastery



HRDI
Daffodil International University

শিক্ষকদের জন্য

Unlocking Your Academic Potential:
Elevate Your Teaching Journey with Personal Branding Mastery

Speaker
Md. Rahad Hossen
Graduate Teaching Assistant
Department of Business Administration
Daffodil International University

05 October 2023 08:00 PM

hrdi.ac 01847334776, 01847334987

Outreach Educational Program:

HRDI of DIU and Bangladesh Skill Development Institute (BSDI) jointly conducted an outreach educational training program at Snowtex Group.

K M Hasan Ripon Executive Director of BSDI explored the importance of understanding and managing emotions in the workplace and Mr. Amir Hamza, Assistant Director of Learning & Knowledge Management at DIU, shared insights and strategies for fostering strong, collaborative teams.



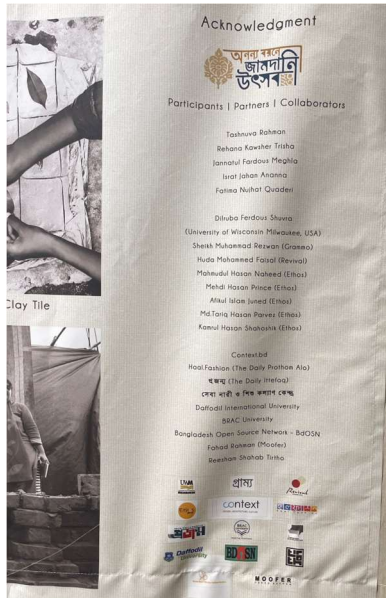
Feedback from a trainee: *"The Emotional Intelligence session opened my eyes to the power of self-awareness and empathy at work. It's a game-changer!"* - Saiful, Snowtex Group.

Collaboration with Sorolota Foundation (NGO) for Gyaner Pathshala

Gyaner Pathshala, mainly deals with ensuring the education for disadvantaged children of the society. Daffodil International University always stands by the initiative of Gyaner Pathshala as part of its academic social responsibility. This new branch of Gyaner Pathshala is located at Bagerhat in collaboration with the NGO Sorolota Foundation.



Community Outreach program for 10-days Field School



The Department of Architecture, DIU collaborated with several partners in organizing the first field school in Bangladesh at Sonargaon Dhaka from July 10-19, 2023. This Field School is designed to offer an immersive learning experience in documenting a local community's-built environment and cultural landscapes, learning how to write the local history of people and places “from the ground up” and learning from material through hands-on activities and to showcase works done in the field school on national and international platforms. Ph.D. candidates from the University of Wisconsin, USA, Architect Dilruba Ferdous Shuvra, Fashion Designer Chandra Shekhar Saha, several architects, artist Niaz Morshed, etc. attended this school. Sheikh Muhammad Rezwan, Assistant professor, DIU due to his expertise in conducting residential workshops in the rural environment was a co-partner of this event. Their works were displayed on 19th July 2023 at Shilpakala Academy.

Contribution to the Development of National Secondary Education

Dr. Md. Kamrul Hossain, Associate Professor of Daffodil International University as an expert contributed to the Development of National Secondary Education. He has collaborated with the relevant Government Ministries and Departments of Bangladesh.



DIU Faculty led the Educational Outreach Program to Encourage the Underrepresented Groups to Study in Areas where they are underrepresented

A group of researchers, led (deputy) by DIU faculty Mr. A.B.M. Nazmul Islam conducted several activities related to the International Year of Basic Sciences for Sustainable Development involving female students from remote villages, supported by ISP. The group visited the Sahapara Parveen Sorony girls' school and college in Shibganj, Chapai Nawabganj district. The village lies in a remote area. Educational institutions in these areas are experiencing student dropouts, especially the girls. The covid-19



pandemic made the dropouts even worse, since financially challenged parents find it burdensome for sending their girls to school. Although the basic sciences physics, chemistry and mathematics are taught to the students, there is a lack of proper knowledge and scientific demonstrations.

In order to inspire the girl students to study science, BAN:05 arranged a workshop on handling and maintenance of scientific instruments and tools. To attract students some chemistry experiments involving magic fire demonstration, ghost fumes etc. were shown.

Personal and Professional Development (PPD) Training for New Teaching Apprentice Fellows:

Personal and Professional Development (PPD) continues to illuminate the TAF fellowship journey. HRDI and ITM of DIU jointly organized this training. The fellows embraced this training led by Nafees Imran, ITM Lecturer, and Amir Hamza, AD of HRDI. They ventured into diverse classroom management tools and strategies, poised to revolutionize the learning experience to ensure the implementation of quality education (SDG-4).



Contributions to Various Project:

1. Along with five individuals from five different countries, Ms. Afroza Akhter Tina, a faculty of Department of English of DIU is conducting a large-scale research project on an interesting topic titled, ‘**Teacher Agency Across Global Contexts: Drivers, Challenges, and Opportunities.**’ They collected data from six different countries. Dr. Silvana Dushku, Faculty Administrator & Program Director, UCF Global English Language Programs at the University of Central Florida initiated the project and guided the force since its inception. The three-part survey, administered to pre- and in-service teachers, and teacher-educators, focused on i) drivers such as pivoting to remote teaching, the emergence of Artificial Intelligence tools and related challenges and opportunities, ii) strategies used to engage and recognise diversity, and iii) insights into teachers’ understandings of their post-pandemic roles and functions as teachers of English. The findings were thematically analyzed to understand how teachers of English are able to be reflexive and innovative within their unique social and material environments.

2. Ms. Afroza Akhter Tina, a faculty of Department of English of DIU has been invited to be a part of the **TESOL Advocacy Group**, which consists of six other members from three different countries. The objective is to prepare and publish the TESOL Position Paper for the TESOL 2024 Convention. The draft is ready and has been sent to the board for review. Jeff Hutcherson is coordinating the DEIA statement for this project.

Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-4. Below is a highlight of such contribution:

SL	Article Title
1	An Investigation into the Effect of Knowledge Management on Employee Retention in the Telecom Sector
2	Identified necessary skills to establish a center of excellence in vocational education for green innovation
3	Predicting students’ intention to continue business courses on online platforms during the Covid-19: An extended expectation confirmation theory

4	Conceptualization of head-heart-hands model for developing an effective 21st century teacher
5	Evolution of quality assurance practices in enhancing the quality of open and distance education in a developing nation: a case study
6	Low-cost commercial graphite-rich pencils subjected to electron irradiation for passive radiation dosimetry
7	An insight into the intricacies of lingual paraphrasing pragmatic discourse on the purpose of synonyms
8	Human Resource Skill Adjustment in Service Sector: Predicting Dynamic Capability in Post COVID-19 Work Environment
9	Effectiveness of High-Intensity Interval Training and Continuous Moderate-Intensity Training on Blood Pressure in Physically Inactive Pre-Hypertensive Young Adults
11	Virtual classrooms during Covid-19
12	In quest for sustainable quality assurance in higher education: An empirical investigation
14	UNDERSTANDING MALAYSIAN STUDENTS' ONLINE SERVICE EXPERIENCES FOR ACHIEVING SUSTAINABILITY IN PRIVATE HIGHER EDUCATION INSTITUTIONS
15	Skill Development of Undergraduate Students through International Exchange Program
16	IAF: IoT Attack Framework and Unique Taxonomy
18	OkkhorNet: A Deep Convolutional Neural Network to Classify Bengali Handwritten Characters
19	AlgoCert: Adopt Non-transferable NFT for the Issuance and Verification of Educational Certificates using Algorand Blockchain
20	A systematic review of machine learning techniques in online learning platforms
21	A Comparison of the Application of Artificial Intelligence in the Educational System
22	The impact on education of university students in COVID-19 pandemic period: A factor analysis
23	Impact of Information and Communication Technology on the Secondary Schools' Efficiency in Barisal Division of Bangladesh: Teachers' Preference and Perceptions
26	THE IMPACT OF INTERNATIONALIZATION TO IMPROVE AND ENSURE QUALITY EDUCATION: A CASE STUDY OF DAFFODIL INTERNATIONAL UNIVERSITY (BANGLADESH)
27	Finding Hidden Relationships Between Medical Concepts by Leveraging Metamap and Text Mining Techniques
29	Institutional Monitoring and Feedback in Developing and Delivering Online EFL Courses: A Case Study
30	MKRF Stacking-Voting: A Data Mining Technique for Predicting Educational Satisfaction Level of Bangladeshis Student During Pandemic
31	Students' Experiences of E-Learning Practices During COVID-19: A Qualitative Study
32	A Pedagogical Framework for Advanced Learners during COVID-19 for Engineering Students
33	Classification of Product Review Sentiment by NLP and Machine Learning
34	Understanding the Entrepreneurial Intention among University Students in Malaysia with a Moderating Effect of Education Major
36	Mathematical Modelling of Teachers' Intention to Participate in Online Training During Covid-19 Lockdown: Evidence from Emerging Economy
38	Social Media and Learning of English Language: A Study on the Undergraduate Students of Assam, India
39	Sentence Level Sentiment Classification Using Machine Learning Approach in the Bengali Language
40	Acceptance of E-Learning Among University Students During Covid-19 Crisis: Bangladesh Perspective
42	Pedagogical Shift in Education Sector: A Necessity in Light of COVID-19 Pandemic

43	Pandemic Effect on Education System Among University Students
44	Integrating Mobile Applications ICT and Digital Tasks Through Online English Language Classrooms
45	Enhancing Teaching and Learning through Peer Observation: An Indian Case Study
46	EXAMINING UNIVERSITY STUDENTS' BEHAVIORS TOWARDS ONLINE SHOPPING: AN EMPIRICAL INVESTIGATION IN AN EMERGING MARKET
47	A Systematic Study on Tertiary Level Student Tuition Fee Waiver Management During Pandemic Using Machine Learning Approaches
48	Extending the Theory of Planned Behavior: A Case of Learning Chinese as a Third Language
51	Effectiveness Analysis of Different POS Tagging Techniques for Bangla Language
52	Promoting student-centred blended learning in higher education: A model

Activities and Events:

Empowering Academia: Project Management Fundamentals Workshop by IQAC, DIU

The Institutional Quality Assurance Cell (IQAC) at Daffodil International University (DIU) organized a workshop on "Project Management Fundamentals for Academia." This event emphasized the importance of effective project management in academia and aligned with SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals). Mr. Bhuvana Sundar Soorappaiah, an expert in project management, shared valuable insights with students and faculty members. The workshop promoted collaboration and reinforced DIU's commitment to quality education and sustainable development goals.



Seminar on Navigating the Fourth Industrial Revolution with Enterprise CMS



Daffodil International University (DIU) took a significant step towards embracing the Fourth Industrial Revolution by organizing the seminar, "Unlocking the Power of Enterprise CMS in Omnichannel Business." In collaboration with Brain Station 23 Ltd., a prominent IT leader, DIU aimed to empower its CSE & IEE student branch with insights into Enterprise Content Management Systems (CMS). This event aligns with SDG 4 (Quality Education) and SDG 9 (Industry, Innovation, and Infrastructure) by preparing students for the technological challenges of the future. Kudos to DIU and Brain

Station 23 Ltd. for this transformative seminar!

DIU Empowers Students with Project Management Workshop

Daffodil International University (DIU) hosted a practical workshop titled "Project Management in Professional and Personal Life" on January 30, 2023. The workshop, organized by the Daffodil Alumni Cell and the Faculty of Business & Entrepreneurship (FBE), featured BBA Alumnus Mr. Khairul Hafiz as the instructor.



Mr. Hafiz covered essential Project Management principles, tools, and strategies, offering students valuable skills for their future research and thesis work. This initiative aligns with DIU's commitment to empower students for success.

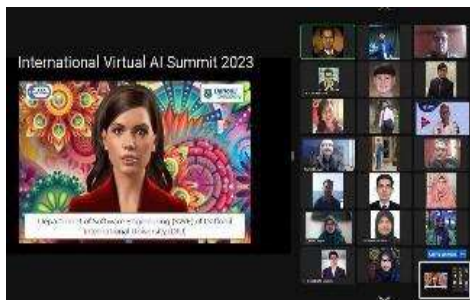


Enhancing Quality Education: Teachers' Training on Outcome-Based Learning

DIU's IQAC and HRDI organized a Teachers' Training Program on "Guidelines for Outcome-Based Education (OBE) Courses" at Daffodil Smart City. The event involved 68 faculty members and aimed to improve education quality in line with SDG 4. The program covered essential topics like vision and mission, skill mapping, outcomes definition, content alignment, and assessment strategies. This initiative reflects DIU's commitment to enhancing education quality and promoting continual improvement.

"Linguistic Diversity Preserved: Language Documentation Workshop 2022"

The Language Documentation Workshop 2022, jointly organized by CEML and the Department of English at Daffodil International University, aimed to preserve linguistic diversity and boost academic achievements. Led by linguist Professor David A. Peterson and organized by Dr. Md. Mostafa Rashel, the workshop covered language documentation, description, and revitalization over nine days. Students learned research methods and tools, including hands-on data collection from native speakers. The event enriched academic pursuits and aligns with SDGs related to cultural diversity and education, offering certificates and academic benefits to participants.



Empowering Education and Research through AI: International Virtual AI Summit 2023

The Department of Software Engineering at DIU hosted Bangladesh's first International Virtual AI Summit 2023, aimed at promoting SDG 4 (Quality Education) and SDG 9 (Industry, Innovation, and Infrastructure) through the introduction of AI tools for education and research. The event attracted over eighty participants from around the world, offering interactive workshops on AI tools for research, teaching, and practical

applications. This summit showcased AI's transformative potential, aligning with Bangladesh's dedication to achieving the Sustainable Development Goals.

Excellence in Teaching Award 2023: Honoring Outstanding Educators

The Tazkera & Golam Mustafa Center for Teaching & Learning (TCTL) at HRDI, Daffodil International University, celebrated outstanding educators at the Excellence in Teaching Award 2023, in line with SDG 4 (Quality Education). This event



recognized and promoted exceptional teaching practices that inspire student learning and motivation. DIU honored 16 teachers, including Nuruzzaman Faruqui and Md. Sazzadur Ahamed, underscoring its dedication to quality education and sustainable development through skilled future generations.

Student-Centric Dialogue with DIU's Honorable Vice Chancellor



On May 15, 2023, Daffodil International University (DIU) students engaged in an inspiring session with the Vice Chancellor, Professor Dr. M. Lutfar Rahman. This event fostered an open dialogue where students shared their journeys, successes, setbacks, strengths, and areas for improvement.

The discussion revolved around enhancing the academic and administrative aspects of DIU. Professor Dr. Rahman actively listened to students' perspectives, creating a transparent and supportive environment. Such interactions align with the Sustainable Development Goals (SDGs) by promoting quality education and

inclusive institutions. Stay tuned for more collaborative efforts to further improve DIU!

DIU and Nalanda University Sign MoU for Academic Collaboration



Daffodil International University (DIU) of Bangladesh and Nalanda University (NU) of India signed a Memorandum of Understanding (MoU) to enhance academic collaboration on May 13, 2023. The partnership encompasses joint teaching and research programs, research supervision, and faculty and student exchanges, aiming to strengthen academic ties, promote mutual growth, and contribute to the Sustainable Development Goals (SDGs). This collaboration marks the beginning of an enriching academic journey for both universities and facilitates the sharing

of academic and research best practices.

Dr. Md. Sabur Khan Addresses IAUP Meeting on Transforming Global Higher Education

Dr. Md. Sabur Khan, Founder & Chairman of Daffodil International University and President of the Association of Universities of Asia and the Pacific (AUAP), delivered a keynote at the IAUP Semi-Annual Meeting in Cairo, Egypt, discussing the transformation of global higher education. He emphasized the importance of enhancing learning quality, fostering innovation, and promoting inclusivity to adapt to evolving educational landscapes and meet the changing needs of students. His insights provide a roadmap for universities to succeed in a changing world while aligning with the Sustainable Development Goals (SDGs).



Empowering Future Leaders through Social Skills Development

DIU, in collaboration with its Psychological Service Center and Student Affairs, organized a 4-day "Social Skills Development" training program. This initiative aimed to enhance interpersonal skills, reduce social anxiety, build supportive social networks, boost self-confidence, and foster self-respect among students, aligning with SDGs 4 and 10. Distinguished participants from various departments received certificates, contributing to students' competitiveness beyond academics.



Equipping Bangladesh for the 4IR: Key Skills Discussed at DIU Summit

Daffodil International University (DIU) hosted a session titled "Building a Future-Ready Workforce for Bangladesh: Key 4IR Skills for ICT and Business Professionals" at the Fourth Industrial Revolution Summit 2023, aligning with SDG 4. Speakers, including Mr. Colin Patra, Dr. Lafifa Jamal, and Prof. Dr. Touhid Bhuiyan, emphasized essential skills such as AI, machine learning, and data analytics, vital for success in the digital age. This event supports DIU's commitment to preparing students for future employment challenges.



DIU Chairman Shares Insights at Uni20 Event on International Collaboration



Dr. Md. Sabur Khan, Chairman of Daffodil International University's Board of Trustees, participated in the Uni20 event within the G20 series, joining education leaders and entrepreneurs from 46 nations in Pune, Maharashtra. He discussed international collaboration in education and shared insights from Symbiosis International University, emphasizing entrepreneurship, student engagement, and a nature-driven approach. Dr. Khan aims to apply these learnings at DIU and leverage best practices through inter-university cooperation. This event aligns with UN Sustainable Development Goals, including Quality Education, Partnerships for the Goals, and Decent Work and Economic

Growth, contributing to global efforts to enhance education quality and promote sustainable economic growth.

Empowering Linguistic Explorations: 1st DIU Student Conference on Linguistics



Daffodil International University (DIU) hosted the "In Search of Linguistic Meaning through Investigations (ISoLMtl)," a student innovation and academic conference on linguistics, in line with SDG 4 (Quality Education). Sophomore undergraduates from the Department of English presented research papers on linguistic semantics. Professor Dr. Sayeedur Rahman from the University of Dhaka delivered a keynote speech emphasizing the value of undergraduate research, aligning with SDG 8 (Decent Work and Economic Growth). The event recognized outstanding papers on hyponyms and aimed to equip students with skills for the 21st century.

DIU Partners with BRAC Bank for Education Loans, Advancing Higher Education Accessibility



Daffodil International University (DIU) has taken a significant step towards ensuring higher education accessibility by partnering with BRAC Bank Limited to offer Education Loans. This initiative aims to provide DIU students with special financing options for their education expenses and a wide range of student banking services, fostering educational growth and supporting the UN SDGs. Under this agreement, BRAC Bank will finance up to 130% of DIU students' total tuition fees or a maximum of Tk 2 million, with repayment options spanning up to 60 installments. The signing ceremony featured prominent figures from both organizations, highlighting their commitment to empowering

students through accessible higher education.

Global Cross-Cultural Engagement at DIU: A Visit from Lithuania



Two exchange faculty members, Dr. Gražina Čiuladienė and Dr. Miglė Eleonora Černikovaitė from Mykolas Romeris University, Lithuania, visited DIU in Bangladesh as part of the EU's Erasmus+ grant program. During their stay, they not only taught but also immersed themselves in Bengali culture by wearing traditional Sarees and embracing local customs. DIU's commitment to international exchanges and cultural understanding aligns with the United Nations Sustainable Development Goals (SDGs) for global cooperation and education.

Educator Empowerment: A Glimpse into 4IR Technology at Daffodil International University

Under its Community Outreach Program, the Embedded System Research Lab at Daffodil International University hosted 50 BCS Cadre Teachers from various colleges in Bangladesh. This initiative, a first by a private university in the country, focused on showcasing the practical implementation of Fourth Industrial Revolution (4IR) technologies. The program aimed to prepare educators and students for the evolving 4IR landscape and aligned with the Sustainable Development Goals (SDGs). It included knowledge-sharing sessions, lab visits, and campus exploration, providing valuable insights into technology integration in education.



Empowering Educational Excellence: DIU's Accreditation Readiness Workshop



The Institutional Quality Assurance Cell (IQAC) hosted a day-long event titled "Workshop for the Readiness of the Compliance of Bangladesh Accreditation Council (BAC) for the Programmes." Led by Professor Dr. S.M. Kabir, a Member of the Bangladesh Accreditation Council (BAC), the workshop gathered around thirty faculty members from eight departments, including members of the program Self-Assessment Committee (SAC). This workshop was designed to provide a comprehensive understanding of the BAC accreditation process, offering hands-on experiences in two informative sessions. By focusing on accreditation, DIU underscores its commitment to quality education and aligns with

Sustainable Development Goals (SDGs) by striving for excellence in higher education.

Fostering Skills and Connections: 3rd DIU Club Carnival 2022



Daffodil International University recently hosted the 3rd DIU Club Carnival 2022 in collaboration with Edvoy Presents, aligning with SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals). The event featured stage performances by DIU club members and emphasized the importance of student club participation in developing social skills, teamwork, and personal growth. With around 35 diverse clubs, DIU encourages students to explore their passions and talents, reinforcing its commitment to holistic education.



**Achieve gender
equality and
empower all
women and girls**

SDG5:

Sustainable Development Goal 5 concerns gender equality and is fifth of the 17 Sustainable Development Goals established by the United Nations in 2015. The 17 SDGs recognize that action in one area will affect outcomes in others, and that development must balance social, economic and environmental sustainability.

DIU's Contribution and Progress:

Percentage of Female Students in 2022	39%
Percentage of Female Students in 2021	36.5%
Increase of Female Students	2.5%
Percentage of Female Faculty in 2022	49.5%
Percentage of Female Faculty in 2021	49%
Increase of Female Faculty	0.5%
Female students' accommodation in Female hostels	1500+
Percentage of Female students graduated in 2022	35%+

DIU has implemented the following policies to ensure equality, diversity and Inclusion

SI. No	Topic
1	Maternity Leave Policy
2	Anti-Harassment and Non-Discriminatory Policy
3	Policy for Managing Women's Career Counseling Services
4	Women Access, Participation, Counseling and Mentoring Policy
5	Equality, Diversity, and Inclusion Policy

Scholarship Facilities for poor students at DIU:

- 10% waiver for female students
- DIU Scholarship
- Need-based Waiver
- Talent Scholarship Program
- Freedom Fighter Quota Waiver
- Scholarship for 'Are you the next startup?'
- Chairman Endowment Fund Scholarship
- Lutfar Rahman Scholarship

- Razia Begum Scholarship
- Mofiz Uddin Majumder Scholarship
- Delwar Hussain Chowdhury Scholarship
- Late Hafez Md. Abdur Rahim and Late Mrs. Jarina Begum Scholarship
- Late Professor Dr. Ahmad Husain and Late Mrs. Mahbuba Hossain Scholarship
- Akij Group (Trust) Scholarship
- Talent hunt scholarship for foreign students: <https://daffodilvarsity.edu.bd/int-scholarship/scholarship-int>


Link: <https://daffodilvarsity.edu.bd/scholarship>

Female Hostel Facility:


There are three hostels for female students' accommodation at DIU.

1. Rowshan Ara Scholars Garden 1
2. Rowshan Ara Scholars Garden 2
3. DISS Female Hall

TESTIMONIAL



Uma Hosen Sohana
Rowshan Ara Scholar Garden



Ashita Elin
Rowshan Ara Scholar Garden

DIU Hall is like my second home



My name is Ashita Elin. I am studying in the Department of Textile Engineering. Currently, I am living in the Rowshan Ara scholar Garden Hall in DIU Smart City. At first, I was a little worried about living in a hall and security, but after being here for a couple of months, I feel like it's my second home. Security guards are on duty 24/7, ensuring the safety of the female residence. We also get three meals every day & the food quality is excellent. Grocery shops and canteen facilities are also available nearby.



Hall facilities: <https://hall.daffodilvarsity.edu.bd/>

Childcare Facilities for Female students and staff at DIU campus:

Number of Children received facilities at childcare center	60+
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Facilities at Childcare center.

1. One-stop daycare service & pre-education
2. Run by nationally and internationally experienced persons
3. Expert teachers and caring personnel
4. Complete parental care with a homely environment
5. Necessary services for mental, social, and physical growth/development of the child
6. Best fit room, toys, and environment for a particular age group
7. High Security with CCTV surveillance
8. Right information sharing with the guardians/parents regarding their children
9. Air-conditioned, spacious rooms
10. Fire extinguisher, First aid & hygienic environment
11. Necessary instant medical support

Link: <https://daffodilvarsity.edu.bd/daycare/daycare-facility>

Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-5. Below is a highlight of such contribution:

SL.	Title of Research Publication
1	Discrimination and social exclusion of third-gender population (Hijra) in Bangladesh: A brief review
2	Psychological impact of school closure and social isolation on female students during Covid-19: A case study from Bangladesh
3	Drug Addiction and Substance Use Among the Dalit Married Adolescent Girls in Bangladesh: a Cross-Sectional Survey
4	Chemical composition of pumpkin (<i>Cucurbita maxima</i>) seeds and its supplemental effect on Indian women with metabolic syndrome
5	How Does Green Innovation Strategy Influence Corporate Financing? Corporate Social Responsibility and Gender Diversity Play a Moderating Role
6	Defensive Silence, Defensive Voice, Knowledge Hiding, and Counterproductive Work Behavior Through the Lens of Stimulus-Organism-Response
7	Hormonal Therapy for Gynecological Cancers: How Far Has Science Progressed toward Clinical Applications?
8	Classifying Gender Based on Life Partner Choosing Factor using Supervised Machine Learning
9	The impact of board gender diversity on the financing costs of microfinance institutions: a global evidence
10	Exploring factors associated with women's willingness to provide digital fingerprints in accessing healthcare services: A cross-sectional study in urban slums of Bangladesh

Activities and Events

Empowering Youth through Cross-Cultural Learning: UMAP Discovery Camp 2023

Md. Mahmudul Hasan Suzan, a student from DIU's Department of Computing & Information System, participated in the "UMAP Discovery Camp 2023: The Globe Discover Indonesia" in collaboration with Indonesian universities. During the two-week camp, Suzan attended seminars on various topics, interacted with local students, and explored Indonesian culture and landmarks. His experience underscores the importance of cross-cultural learning and youth engagement in promoting global unity and advancing the Sustainable Development Goals (SDGs).



Organized a seminar, titled **Safe Workplaces, Strong Workforces: Addressing and Preventing Sexual Harassment**



To create awareness to prevent sexual harassment, eve-teasing, ragging, and violence against women on workplace, Daffodil International University organized a seminar, titled "Safe Workplaces, Strong Workforces: Addressing and Preventing Sexual Harassment" organized by the University's Complaint Committee to Prevent Sexual Harassment at Daffodil Smart City. Ms. Nilufer Ahmed Karim, Freelance Gender & Management Consultant and Gender & Participatory Action Research Specialist at American Solidarity Centre and Prof. Dr. Sunjida Shahriah, Physician, Counselor and

Psychotherapy Practitioner at Phoenix Wellness Center, Bangladesh were present as special guests.

Artistry Unveiled: BSCIC-DIU Handicraft Fair



The BSCIC and DIU jointly presented a 5-day Handicraft Fair at Daffodil Plaza, Sobhanbagh, Dhaka. Showcasing 25 artisans' work. This fair celebrates creativity and craftsmanship. Open daily from 10 am to 8 pm until June 5, it offers diverse products, including textiles, boutiques, leather crafts, and honey. Join us to support local artisans and sustainable practices.

Empowering Women in IT: DIU Hosts Seminar on IT Entrepreneurship

Daffodil International University, in partnership with Bangladesh Women in IT (BWIT), organized a seminar titled "Design Your Career as IT Entrepreneurship and Grow" at Daffodil Smart City in Ashulia. The event aimed to empower women in IT entrepreneurship and featured participation from the Girls Computer Programming Club of DIU. Key figures like Ms. Nazneen Kamal, Vice President of BWIT, along with Ms. Ambareen Reza, Co-Founder of Foodpanda, and Ms. Nigar Sultana, Director of ICT at TMSS, shared insights. The seminar emphasized the importance of promoting entrepreneurship among women in IT, contributing to gender equality and aligning with Sustainable Development Goals (SDGs).





**Ensure availability
and sustainable
management of water
and sanitation for all**

SDG6:

Sustainable Development Goal 6 is about "clean water and sanitation for all". It is one of the 17 Sustainable Development Goals established by the United Nations General Assembly in 2015. According to the United Nations, the goal is to: "Ensure availability and sustainable management of water and sanitation for all."

DIU's Contributions and Progress:

Total volume of water consumed	3,00,000+ cubic meters
Volume of treated water consumed	80,000+ cubic meters
Per person water consumption	15+ cubic meters
Number of free drinking water purification device	30+
Transformation of Polluted water lake	1
Free drinking water provided to number of persons	20,000+
Setting up waste water treatment	1
Water Treatment Plant	1

Water treatment:



Free pure drinking water on campus:

DIU has set up a good number of water purification devices in all the floors of all the buildings on campus to ensure availability of pure drinking water for all free of cost.



Water Pollution Reduction Policy implemented:

DIU implemented water pollution reduction policy guidelines on campus to ensure sustainable use of water.

Link: <https://sustainability4d.daffodilvarsity.edu.bd/general-guidelines-on-water-pollution-reduction>



Water Conservation

Renovating the polluted water lake to vivid lake

A research team of Department of Environmental Science & Disaster Management (ESDM) and other experts undertook a project to renovate and revive an old and polluted water lake surrounding the university campus. The water of the lake was polluted and the surrounding environment was not suitable for students and the local community. The research team with their expertise and experience and financial and other support from the University, was successful to transform that polluted lake into a revived and user-friendly lake. The

University has a plan to establish an aquaculture students and local community can have a free ride on the handy water vehicles in the lake and use the fresh and pollution-free water of the lake for various purposes.

Current view of the lake:



Previous view of lake:





Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-6. Below is a highlight of such contribution:

SL	Research Title
1.	Assessment of Ecosystem Services, Plant Diversity Pattern, and Water Quality of an Urban Water Body in Dhaka, Bangladesh
2.	Analysis of Water Quality of Hatirjheel Lake, Dhaka, Bangladesh
3.	Improvement of wastewater quality of Dhaleswari river, Bangladesh using submerged macrophyte <i>Egeria densa</i>
4.	Impact of River Water Quality on Public Health in Perspective of Asian Rivers: A Case Study of Buriganga River, Bangladesh
5.	Erratum: Can guava (<i>Psidium guajava</i>) leaf extracts develop an indigenous, simplified tool for a semi-quantitative assessment of iron in groundwater?
6.	Green capsule phase microextraction employing hydrophobic monolithic sol-gel octadecyl siloxane platforms for the monitoring of organophosphorus pesticides in environmental water samples
7.	A Machine Vision Approach for Recognizing Coastal Fish
8.	Can guava (<i>Psidium guajava</i>) leaf extracts develop an indigenous, simplified tool for a semi-quantitative assessment of iron in groundwater?
9.	Efficient Arsenate Decontamination from Water Using MgO-Itsit Biochar Composite: An Equilibrium, Kinetics and Thermodynamic Study
10.	Metal-Tolerant Bacteria of Wastewater Treatment Plant in a Large City
11.	Synthesis of One-Dimensional Titanium Oxide Nanowires for Polyvinylidene Fluoride Membrane Optimization
12.	Groundwater quality and human health risk assessment in selected coastal and floodplain areas of Bangladesh
13.	Flowery In_2MnSe_4 Novel Electrocatalyst Developed via Anion Exchange Strategy for Efficient Water Splitting
14.	Amelioration of salinity induced damage in plants by selenium application: A review

15.	Textural characteristics of surficial sediments along the Noakhali coast, Bangladesh: An implication for mineral placer deposits exploration
16.	Household drinking water E. coli contamination and its associated risk with childhood diarrhea in Bangladesh
17.	A cleaner goatskin preservation with leaf paste and powder; an approach for salinity remediation in tannery wastewater
18.	Assessment of gross alpha/beta activity in tap water of Dhaka city using ZnS (Ag) scintillation detector and concomitant health hazard
19.	Non return to zero line coding with suppressed carrier in FSO transceiver systems under light rain conditions
20.	Effect of Cu Doping on ZnO Nanoparticles as a Photocatalyst for the Removal of Organic Wastewater
21.	Effect of Graphene Fillers on the Water Absorption and Mechanical Properties of NaOH-Treated Kenaf Fiber-Reinforced Epoxy Composites
22.	Groundwater Contamination and Health Risk Evaluation of Naturally Occurring Potential Toxic Metals of Hatiya Island, Bangladesh
23.	Assessment of Ecosystem Services, Plant Diversity Pattern, and Water Quality of an Urban Water Body in Dhaka, Bangladesh

Activities and Events:



Webinar on Effluent Treatment Plant and Environmental Principles

DIU's Department of Environmental Science and Disaster Management conducted an online seminar focusing on effluent treatment plant principles and environmental significance. This event contributes to SDGs related to clean water and sanitation, providing students with crucial knowledge for the 21st century's environmental challenges.

Webinar on Waterways: Nurturing Our Rivers for a Sustainable Future

The Department of Journalism, Media, and Communication (JMC) at DIU hosted a webinar on 'Waterways in our communities' to commemorate World Rivers Day 2022. Eminent river experts, academics, and activists highlighted the significance of waterways in the modern world, aligning with SDGs related to clean water and life below water. The webinar aims to raise awareness and inspire students to engage with river usage, utilization, and conservation.



Sustainable Environment Colloquium: Focus on Bangladesh



Daffodil International University (DIU) hosted a colloquium on January 16, 2023, to address sustainable environmental concerns in Bangladesh. This event featured experts discussing energy and groundwater sustainability, aligning with Sustainable Development Goals 6 and 7. Renowned speakers from international institutions will share insights, contributing to environmental awareness and collaboration in Bangladesh.



SDG7:

Sustainable Development Goal 7 is one of 17 Sustainable Development Goals established by the United Nations General Assembly in 2015. It aims to "Ensure access to affordable, reliable, sustainable and modern energy for all."

DIU's Contributions and Progress:

Total Energy used	14,65,000 KWH
Total Renewable Energy Produced on campus	5,000 KWH
Number of Solar projects	2
Number of Biogas plant	1
National Building code followed	Bangladesh National Building Code 2020
% of energy efficient/smart building	80%+
Carbon reduction initiatives	Yes
Implementation of Automated energy monitoring & management system	Yes
Zero emission vehicles on campus	20 e-cars & 250+ bicycles
Initiative to increase renewable energy production on campus	Agreement with Pasific Solar organization to install "3 Mega watt" solar system at DIU campus

Energy efficient building





Policy strategy for reducing carbon emission:

DIU has been following a policy strategy for reducing carbon emission on campus along with a net zero emission target.

<https://sustainability4d.daffodilvarsity.edu.bd/environmental-sustainability-strategy>

DIU’s Contribution to the “Development of a Solar Based Electricity Model for Public University of Bangladesh and its advocacy for Solar PV Electricity Promotion Research Project”



The team of EEE Department of DIU successfully conducted the inaugural session of "Development of a Solar Based Electricity Model for Public University of Bangladesh and its advocacy for Solar PV Electricity Promotion Research Project", organized by the University Grants Commission of Bangladesh (UGC) Auditorium where Prof Dr. Mohammed Alamgir, Chairman, UGC was the chief guest and Prof Dr. M Shamsul Alam, Advisor, Consumers Association of Bangladesh (CAB) and Dean, Faculty of Engineering, DIU Chaired the session. The EEE team, Mohammad Shihab, Nusrat Chowdhury, Tasmia Baten, Kanij Ahmad, Intekhab Alam and Sampad Ghosh has been working on the project for Development of a Solar Based Electricity Model for Public University of Bangladesh.

Collaboration with Pasific Solar for ensuring full solar energy-based campus



An MoU has been signed between "Pasific Solar" and DIU on OPEX based solar system for DIU. Under the agreement the Pasific Solar is going to install "3 Mega watt" solar system at DIU campus.

Inauguration of the Renewable Energy Research Laboratory and Training Center



A momentous occasion unfolded on June 3, 2023, as Mr. Nasrul Hamid, MP, Minister of Power, Energy, and Mineral Resources, GoB inaugurated the Renewable Energy Research Laboratory and Training Center of Daffodil International University. This state-of-the-art facility is set to drive innovation and research in renewable energy technologies, enriching the educational experience and advancing sustainable solutions for the community and beyond. The special guest, Mr. Nahim Razzaq, MP, added to the significance of this milestone.

Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-7. Below is a highlight of such contribution:

SL	Article Title
1	Energy-Saving Load Control of Induction Electric Motors for Drives of Working Machines to Reduce Thermal Wear
2	Strain-driven tunability of the optical, electronic, and mechanical properties of lead-free inorganic CsGeCl ₃ perovskites
3	Going away or going green in NAFTA nations? Linking natural resources, energy utilization, and environmental sustainability through the lens of the EKC hypothesis
4	How do green energy technology investments, technological innovation, and trade globalization enhance green energy supply and stimulate environmental sustainability in the G7 countries?
5	Toward next-generation green solar cells and environmental sustainability: impact of innovation in photovoltaic energy generation, distribution, or transmission-related technologies on environmental sustainability in the United States
6	Electric Vehicle-to-Grid (V2G) Technologies: Impact on the Power Grid and Battery
7	Roadmap for achieving energy sustainability in Sub-Saharan Africa: The mediating role of energy use efficiency
8	A time series forecasting analysis of overall and sector-based natural gas demand: a developing South Asian economy case
9	Exploring renewable energy, financial development, environmental quality, and economic growth nexus: new evidence from composite indices for environmental quality and financial development
10	Exploring the nexus between fiscal decentralization and energy poverty for China: Does country risk matter for energy poverty reduction?
11	Does the utilisation of new energy and waste gas resources contribute to product innovation from the perspective of a circular economy? Evidence from China
12	Prospects and challenges of renewable energy-based microgrid system in Bangladesh: a comprehensive review
13	Recent progress in emerging hybrid nanomaterials towards the energy storage and heat transfer applications: A review
14	The impacts of renewable energy, financial inclusivity, globalization, economic growth, and urbanization on carbon productivity: Evidence from net moderation and mediation effects of energy efficiency gains
15	Design and analysis of GaAsN based solar cell for harvesting visible to near-infrared light
16	Power Laws in altmetrics: An empirical analysis
17	China's 2060 carbon-neutrality agenda: the nexus between energy consumption and environmental quality
18	A path towards environmental sustainability: The role of clean energy and democracy in ecological footprint of Pakistan

19	Challenges of Electric Vehicles and Their Prospects in Malaysia: A Comprehensive Review
20	Pathways to securing environmentally sustainable economic growth through efficient use of energy: a bootstrapped ARDL analysis
21	Decarbonization pathways: the roles of foreign direct investments, governance, democracy, economic growth, and renewable energy transition
22	Modeling Awareness as the Crux in Solar Energy Adoption Intention through Unified Theory of Acceptance and Use of Technology
23	Green Synthesis of Lead Sulphide Nanoparticles for High-Efficiency Perovskite Solar Cell Applications
24	The roles of energy efficiency improvement, renewable electricity production, and financial inclusion in stimulating environmental sustainability in the Next Eleven countries
25	Exploring the nexuses between nuclear energy, renewable energy, and carbon dioxide emissions: The role of economic complexity in the G7 countries
26	Does structural transformation in economy impact inequality in renewable energy productivity? Implications for sustainable development
27	Design of hexa-wheel sectored photonic crystal fiber for soybean biodiesel sensing
28	Analysis of Traction Power of Electric Three Wheelers in Bangladesh
29	Feasibility Analysis of Floating Solar PV Project in Catchment Area of Kaptai Dam
30	Tidal Power Plant Exploration: Low Head Water Turbine in Barrage System
31	Predictive Model Techniques with Energy Efficiency for IoT-Based Data Transmission in Wireless Sensor Networks
32	Repercussions of Hydroelectricity use on Carbon Emissions in Bangladesh: Evidence using Novel Fourier-Bootstrapped ARDL and Fourier-Gradual Shift Causality analyses
33	Design and Techno-economic Analysis of a Grid-connected Solar Photovoltaic System in Bangladesh
34	Optimization and cost-benefit analysis of a grid-connected solar photovoltaic system
35	A Real-Time IoT and Cloud System for Carbon Dioxide Monitoring in Dhaka City's Buildings with Rooftop Garden and without Rooftop Garden
36	A Dynamic Study on Energy Forecasts and The Potential of Renewable Energy Sources
37	Impact of Using Electricity for Rural Warehouse Moisture Control System
38	Can intra-regional trade, renewable energy use, foreign direct investments, and economic growth mitigate ecological footprints in South Asia?

Activities and Events

Conducted outreach academic seminar on Renewable Energy

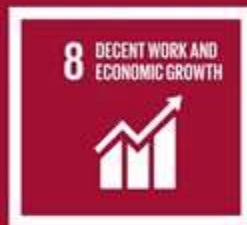
Mr. Dipto Biswas, Faculty of DIU conducted an outreach academic seminar on Renewable Energy as supported by the Consumer Association of Bangladesh (CAB) at the Begum Badrunnesa Government Female College.



Sustainable Environment Colloquium: Focus on Bangladesh



Daffodil International University (DIU) is hosting a colloquium on January 16, 2023, to address sustainable environmental concerns in Bangladesh. This event features experts discussing energy and groundwater sustainability, aligning with Sustainable Development Goals 6 and 7. Renowned speakers from international institutions will share insights, contributing to environmental awareness and collaboration in Bangladesh.



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

SDG8:

Sustainable Development Goal 8 is about "decent work and economic growth" and is one of the 17 Sustainable Development Goals which were established by the United Nations General Assembly in 2015.

DIU's Contributions and Progress:

Number of Students/Groups Demonstrated and sold their products at Startup Market	50+
Number of Established Students Startups	20+
Number of Permanent Staff	1230+
Number of Staff with secured contract	250+
Number of Students in Business discipline (2022)	Around 3,000
Number of Graduates in Business discipline (2022)	Around 600
Publication of Academic Journal: DIU Journal of Business & Entrepreneurship	2 Issues
Complies with minimum living wage	Yes
Foreign Students Club/Association	2
Graduates' employability and job placement	80%+

Support Services provided for the local and students startups

Daffodil International University has been providing various supports for ensuring a sustainable socio-economic condition by facilitating entrepreneurship, trade and commerce. Some of those support services and initiatives are mentioned below:

Introducing a separate Academic Department of Innovation & Entrepreneurship:



Daffodil International University is considered to be the pioneer in terms of institutionalizing entrepreneurial higher education in Bangladesh by establishing a separate academic department titled: Department of Innovation & Entrepreneurship. DIU intends to produce real entrepreneurs who will be able to create more and more job opportunities in the future. They are discovering new techniques, trends, and opportunities through their role in the economy, social change, and prosperity. The university takes many steps to entrepreneurship development. More than 30 students from the Department have already established their own ventures/startup companies with the support of the Department, DIU and its other concerns.

Daffodil Startup Market:



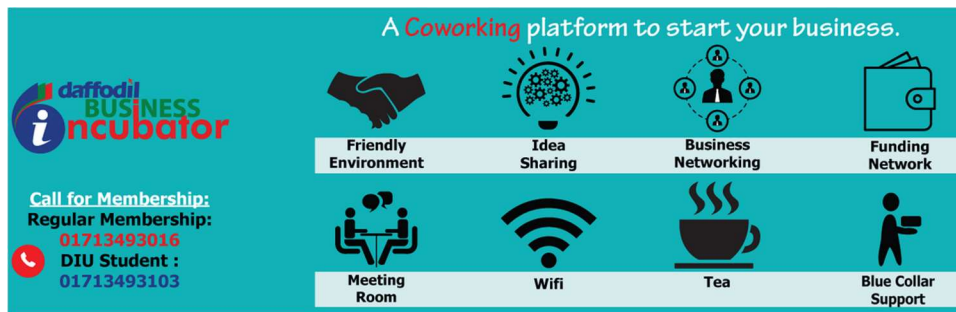
Daffodil Startup Market, a vibrant platform showcasing innovative startups which is organized by the Department of innovation and entrepreneurship of DIU. It serves as a hub for entrepreneurs to display their products and ideas, fostering collaboration and networking within the startup ecosystem and encouraging and facilitating them to become successful entrepreneurs. More than thirty students/groups showcased and sold their products in the startup markets.

Entrepreneurial Development Fund:

Entrepreneurship Development Fund (EDF) is only intended to be used for the development of all the students of Daffodil International University. It is allocated as a loan (without Interest) for the business development/ initiation purposes. From the Department of Innovation & Entrepreneurship, a good number of students took interest-free loans from the EDF fund to scale up their Businesses. Here is a list for the year 2022:

- Tamasha Chakma - Tamasha Closet - 50,000 BDT
- Alid Hasan Akash - RRAD - 1,00,000 BDT
- Emam Hossain Sadik - Soft Bite - 80,000 BDT

Daffodil Business Incubator (DBI)



Daffodil business incubator is designed to support both the students and local community youths to promote their business with support like office space & other official support services (if they

do not have their own office). They can use the DBI address for their office address and also, they can use this as their own for their business expansion.

Collaboration with Government and Contributions to Export Industry

Dr. Md. Kamrul Hossain, Associate Professor of DIU, as a National Consultant collaborated with the Export Promotion Bureau under the Ministry of Commerce, Government of the People’s Republic of Bangladesh for improving the capacity and capability of exporters of Bangladesh. He led a study on enhancing the capability of selected export-supporting organizations of Bangladesh compared to the similar ones of competing countries. He briefed the EPB and ministry of Commerce officials regarding the impact of the findings of the study and how those findings can be addressed better to improve the export performance of Bangladesh to achieve the national long term export target.



Foreign Students Associations at DIU

There are two associations of foreign students at Daffodil International University.

1. Somali Students Association of DIU



2. Nigerian Students Association of DIU



Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-8. Below is a highlight of such contribution:

SL	Article Title
1	Constructive and Destructive Leadership Behaviors, Skills, Styles and Traits in BIM-Based Construction Projects
2	Factors Influencing the Financial Situation and Management of Small and Medium Enterprises
3	Underlying Factors and Strategies for Organizational BIM Capabilities: The Case of Iran
4	Utilization of Knowledge Management as Business Resilience Strategy for Microentrepreneurs in Post-COVID-19 Economy
5	Talent Management in the Hospitality Sector: Predicting Discretionary Work Behaviour
6	Application of a distributed verification in Islamic microfinance institutions: a sustainable model

7	Impact of natural resources on economic progress: Evidence for trading blocs in Latin America using non-linear econometric methods
8	The Power of Compensation System (CS) on Employee Satisfaction (ES): The Mediating Role of Employee Motivation (EM)
9	Identification and Economic Potentiality of Mineral Sands Resources of Hatiya Island, Bangladesh
10	Smart Tourism Ecosystem: A New Dimension toward Sustainable Value Co-Creation
11	Dryland Livestock Rearing Relies Heavily on Tree fodders: A Narrative Review
12	The Impact of Green Entrepreneurship on Social Change and Factors Influencing AMO Theory
13	Fitting Multi-Layer Feed Forward Neural Network and Autoregressive Integrated Moving Average for Dhaka Stock Exchange Price Predicting
14	The marginal effects of economic growth, financial development, and low-carbon energy use on carbon footprints in Oman: fresh evidence from autoregressive distributed lag model analysis
15	Does the utilisation of new energy and waste gas resources contribute to product innovation from the perspective of a circular economy? Evidence from China
16	Emerging stock market reactions to shocks during various crisis periods
17	Impact of the informal economy on the ecological footprint: The role of urban concentration and globalization
18	Testing the stakeholder pressure, relative advantage, top management commitment and green human resource management linkage
19	Rural–urban financial inclusion: Implications on the cost sustainability of microfinance lenders
20	Co-Movement, Portfolio Diversification, Investors' Behavior and Psychology: Evidence from Developed and Emerging Countries' Stock Markets
21	Modelling the significance of social media marketing activities, brand equity and loyalty to predict consumers' willingness to pay premium price for portable tech gadgets
22	Have international remittance inflows degraded environmental quality? A carbon emission mitigation analysis for Ghana
23	Applied current software methodology of software industries in Bangladesh
24	Predicting Innovation Capability through Knowledge Management in the Banking Sector

25	How Does Green Innovation Strategy Influence Corporate Financing? Corporate Social Responsibility and Gender Diversity Play a Moderating Role
26	Factors Affecting Workplace Well-Being: Building Construction Projects
27	Pathways to securing environmentally sustainable economic growth through efficient use of energy: a bootstrapped ARDL analysis
28	Decarbonization pathways: the roles of foreign direct investments, governance, democracy, economic growth, and renewable energy transition
29	The Relationship between the Frequency of Technology Use and Electronic Commerce Adoption among Small and Medium-Sized Enterprises in Kuwait
30	Remittances, migrant households and pandemic resilience in rural Bangladesh
31	The Role of Intermediaries, Terrorist Assemblage, and Re-skilling in the Adoption of Cashless Transaction Systems in Bangladesh
32	Sustainable Competitive Advantage and Strategic Leadership in Manufacturing Enterprises: The Mediating Role of IT-Business Strategic Alignment
33	Social Media and Tourists' Decision in Bangladesh: An Empirical Study on Travelling Cox's Bazar
34	Green logistics and environment, economic growth in the context of the Belt and Road Initiative
35	Environmental Performance, Corporate Governance and Financial Performance of Chinese Heavy Polluted Industries
36	A Comprehensive Survey on Affinity Analysis, Bibliomining, and Technology Mining: Past, Present, and Future Research
37	Challenges for Implementing Environmental Management Plans in Construction Projects: The Case of Malaysia
38	Organizational Aspects and Practices for Enhancing Organizational Project Management Maturity
39	Modeling COVID-19 Impacts and Response Strategies in the Construction Industry: PLS–SEM Approach
40	The laws of attraction: Role of green human resources, culture and environmental performance in the hospitality sector
41	Soft TQM, agility, and knowledge management deliver organizational performance: A study of Malaysian manufacturing organizations in the electrical and electronics sector
42	Gig employment in the Malaysian manufacturing industry: a cross-sectional analysis
43	A new scrum and CMMI level 2 compatible model for small software firms in order to enhance their software quality

44	Effects of Stores' Environmental Components on Chinese Consumers' Emotions and Intentions to Purchase Luxury Brands: Integrating Partial Least Squares-Structural Equation Modeling and Fuzzy-Set Qualitative Comparative Analysis Approaches
45	Predicting the Intention and Adoption of Near Field Communication Mobile Payment
46	Determinants of Pro-Environmental Behaviour in the Workplace
47	Does structural transformation in economy impact inequality in renewable energy productivity? Implications for sustainable development
48	Investigating the impact of AI-powered technologies on Instagrammers' purchase decisions in digitalization era—A study of the fashion and apparel industry
49	COVID-19 impact on Facebook-based social commerce in Bangladesh
50	Interrelationship between Three Dimensions of Sustainable Performance Measurement among Malaysian Manufacturing Companies

Activities and Events:

Establishing BSCIC Industrial Support Center at DIU campus

With a view to identifying new entrepreneurs from among the students and to create a new dimension through their contribution in the SMEs sector, Daffodil International University in collaboration with Bangladesh Small and Cottage Industries Corporation (BSCIC)- an organization under the Ministry of Industries, Government of Bangladesh established a BSCIC Industrial Support Center at DIU campus.



Staff Development Training for Collective Growth

DIU recently resumed its Staff Development Training program, benefiting 73 staff members across various roles, from gardeners to hostel cleaning staff and attendants. The training, designed and facilitated by HRDI, focused on professional customer service, teamwork, and collectivism. Through engaging activities, games, and storytelling, participants gained valuable insights and reenergized themselves. This initiative aligns with SDG 4 (Quality Education) by providing continuous learning opportunities for all staff members, fostering a sense of inclusivity and growth within the institution.



Empowering SMEs Through Export Business



DIU's Department of Business Administration, organized a seminar on export business for SME entrepreneurs. The event featured Mr. Jahid Hussain, CEO of Export Sheba, who shared practical insights into export success. It focused on vital skills, such as market research and negotiation, offering hands-on workshops and real-world case studies. The seminar inspired SMEs to explore international opportunities, fostering confidence and valuable networks.

Inspiring Business Brilliance: Visualizing Victory through Poster Presentations

In alignment with SDG 4 and SDG 8, DIU's CDC, in collaboration with Skill Jobs, successfully hosted the event "Visualizing Victory: Unleashing Business Brilliance through Poster Presentations." Business students showcased their talent and innovation through exceptional posters, reflecting their dedication to excellence. Congratulations to the winners, and sincere thanks to the judges and all participants for making this event a grand success. Stay tuned for more opportunities to inspire and nurture business brilliance!



DIU and BDSN Unite for Uddokta Somabesh 2023



Department of Innovation & Entrepreneurship of DIU, in collaboration with Bangladesh Open-Source Network (BDSN) and the, organized "Uddokta Somabesh 2023" that brought together nearly 200 entrepreneurs from across the country, including DIU students. It featured discussions, entertainment, and networking opportunities, promoting entrepreneurship and job creation in support of SDG 8 (Decent Work and Economic Growth). This initiative fosters a culture of entrepreneurship and innovation, contributing to economic development.

Honoring First-Generation Entrepreneurs: Book Launch Event Celebrates Bangladesh's Business Pioneers

Daffodil International University (DIU) paid tribute to twelve first-generation entrepreneurs who have made significant contributions to Bangladesh's business landscape in a book titled "পথিকৃৎ উদ্যোক্তাদের জীবনসংগ্রাম" (**The Entrepreneurs Who Built the Path**). The book launch event, attended by the entrepreneurs' families and one active entrepreneur, celebrated their enduring contributions to the country's economic development. This initiative aligns with Sustainable Development Goal 8 (Decent Work and Economic Growth) by recognizing their achievements in job creation and fostering economic growth. The event featured inspirational success



stories and prominent figures, emphasizing the importance of entrepreneurship in advancing Bangladesh's business landscape.

Empowering Entrepreneurs for the Fourth Industrial Revolution: Industry-Academia Lecture Series



Mr. Ahsan Khan Chowdhury, Chairman and CEO of PRAN-RFL Group, delivered a keynote address at the 'Industry-Academia Lecture Series on Essential Qualities of an Entrepreneur to meet the Challenges of Fourth Industrial Revolution.' This event, organized by the Industrial Innovation Center (IIC) at Daffodil International University, emphasized the role of private sector entrepreneurs in Bangladesh in boosting production and creating jobs despite various challenges. Mr. Chowdhury's insights align with SDGs related to economic growth and decent work.

Cultivating Agile Leadership: Daffodil Leadership Summit 2023

The Daffodil Leadership Summit 2023, hosted by the Faculty of Business and Entrepreneurship of DIU, gathered over 300 participants to explore agile leadership in Daffodil Smart City, Dhaka. Distinguished speakers, including HR professionals from various companies, shared insights in a panel discussion moderated by Dr. Md. Shibli Shahriar. The event, acknowledged by Professor Dr. Mohammed Masum Iqbal, aligns with the Sustainable Development Goals (SDGs) by nurturing leadership skills for a sustainable future.



Renaissance Dhaka Gulshan Hotel's Campus Recruitment Drive at DIU

Renaissance Dhaka Gulshan Hotel recently conducted an on-campus spot recruitment drive at Daffodil International University, aligning with SDG 8 (Decent Work and Economic Growth). Organized by the Department of Tourism & Hospitality Management at DIU, the event aimed to provide employment opportunities to students. The response to the recruitment session was overwhelming, with more than 100 talented students from DIU participating.



Among them, 45 students showcased their skills and took part in the interview process. Renaissance Dhaka Gulshan Hotel will soon announce the results of these interviews, reflecting their commitment to supporting the youth and fostering economic growth.

AWS Cloud Day Bangladesh 2023: Empowering a New Generation of Tech Experts



Amazon Web Services (AWS) is collaborating with local technology training partners, including Daffodil International Professional Training Institute (DIPTI), to train 50,000 cloud technocrats and cybersecurity experts in Bangladesh. This initiative aligns with the UN Sustainable Development Goals (SDGs) by promoting technology education and skill development. DIU and DIPTI recently co-hosted the "Amazon

Web Services Cloud Day" in Dhaka, featuring 10 AWS experts and attracting a diverse audience. The event provided deep insights into AWS technologies, fostering innovation and growth opportunities, and contributing to technology-related SDGs and Bangladesh's IT ecosystem.

Global Entrepreneurship Week 2022: Empowering Bangladesh's Entrepreneurs for a Sustainable Future

From November 14 to 20, 2022, Bangladesh will join the Global Entrepreneurship Network (GEN) in celebrating Global Entrepreneurship Week. This worldwide initiative, supported by 20,000 partners across 200 countries, will feature 40,000 activities to inspire and empower nearly 10 million individuals in entrepreneurship development.

As a GEN member country, Bangladesh's participation in Global Entrepreneurship Week 2022 aims to raise awareness and empower aspiring entrepreneurs, contributing to the growth of a vibrant entrepreneurial ecosystem in the nation. This event aligns with Sustainable Development Goals (SDGs) by fostering innovation, economic growth, and sustainable business practices for a better future.



FutureNation DIU Job Festival 2022: Bridging Opportunities for Sustainable Futures



Ambassador Mustafa Osman Turan, representing the Embassy of Türkiye in Dhaka, visited Daffodil International University to strengthen the collaboration between the university and more than 40 Türkiye institutions. The visit involved discussions with faculty and students, highlighting the growing partnership between Bangladesh and Türkiye. This collaboration aligns with Sustainable Development Goals (SDGs) and emphasizes the enduring friendship between the two nations, with a commitment to educating global citizens.



**Build resilient
infrastructure, promote
inclusive and sustainable
industrialization and
foster innovation**

SDG 9:

Sustainable Development Goal 9 is about "industry, innovation and infrastructure" and is one of the 17 Sustainable Development Goals adopted by the United Nations General Assembly in 2015. SDG 9 aims to build resilient infrastructure, promote sustainable industrialization and foster innovation.

DIU's Contribution and progress:

Number of academic staff in STEM disciplines	350+
Number of academic staff in Medicine discipline	100+
Number of academic staff in Arts & Humanities / Social sciences disciplines	150+

DIU's Research Award Giving Ceremony: Recognizing Research Milestone



Daffodil International University (DIU) celebrated a significant milestone with 1000 Scopus/ISI indexed research publications and book chapters in 2022. They honored their faculty members, students, and alumni with certificates, crest and financial reward at the "Research Award Giving Ceremony 2023." The event highlighted the importance of research in contributing to Bangladesh's development goals and recognized researchers for their impactful work. Substantial funds were distributed to researchers, emphasizing DIU's commitment to research excellence and advancing the Sustainable Development Goals (SDGs).

Enhancing Research Capacity: Workshop on Journal Article Publication with PLS-SEM Analysis

The Department of Business Administration at Daffodil International University organized a comprehensive workshop aimed at building the research capacity of faculty members. Titled "How to Publish Journal Articles using PLS-SEM," this day-long event was held on July 20, 2022, at HRDI Conference Room, Daffodil Smart City (DSC). Dr. Muhammad Mehedi Masud, a Senior Lecturer from the University of Malaya, Malaysia, served as the resource person. Through hands-on training with real research data sets, participants learned essential skills for conducting basic analysis using the Smart-PLS software and presenting their findings in scientific papers.



Fostering Multidisciplinary Collaboration: Highlights from the 1st DIU Multidisciplinary Conference

The inaugural DIU Multidisciplinary Conference, organized by the Department of General Educational Development (GED) at Daffodil International University, successfully promoted collaboration and knowledge-sharing across various fields. Researchers from diverse disciplines presented insightful posters, fostering a rich exchange of ideas and aligning



with SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals). The event showcased DIU's commitment to advancing education, research, and sustainable development through multidisciplinary synergy.

Nurturing Tomorrow's Innovators: The Daffodil Startup Market

Discover the "Daffodil Startup Market," a vibrant initiative by Daffodil International University's Department of Innovation & Entrepreneurship and the Office of the Director of Students' Affairs. Located at AB4 (GF) Daffodil Smart City, this student-led venture promotes entrepreneurship, enhances professional skills, and explores effective marketing strategies. By nurturing entrepreneurial spirit and practical skills, it aligns with Sustainable Development Goal 9 (Industry, Innovation, and Infrastructure), offering a journey into the world of innovation and opportunity for young entrepreneurs.

Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-9. Below is a highlight of such contribution:

SL	Article Title
1	Construction 4.0 Technologies and Decision-Making: A Systematic Review and Gap Analysis
2	Development, Application, and Performance of Artificial Intelligence in Cephalometric Landmark Identification and Diagnosis: A Systematic Review
3	Tuning the electronic, phonon, and optical properties of monolayer BX (X[dbnd]P and As) through the strain effect
4	Novel approach of anti-resonant fiber with supporting 64 orbital angular momentum modes for optical communication
5	Can Companies Make Green Innovation a Reality by Means of Corporate Environmental Responsibility? The Mediating Role of Environmental Subsidies
6	Can guava (Psidium guajava) leaf extracts develop an indigenous, simplified tool for a semi-quantitative assessment of iron in groundwater?
7	Coding Metamaterial Analysis Based on 1-Bit Conventional and Cuboid Design Structures for Microwave Applications
8	Exothermic chemical reaction of magneto-convective nanofluid flow in a square cavity
9	Dosimetric characteristics of Gd-doped silica glass subjected to neutron and gamma irradiations

10	The Strategy of Factors Influencing Learning Satisfaction Explored by First and Second-Order Structural Equation Modeling (SEM)
11	Robotics in surgery: Current trends
12	MNet-10: A robust shallow convolutional neural network model performing ablation study on medical images assessing the effectiveness of applying optimal data augmentation technique
13	SkinNet-16: A deep learning approach to identify benign and malignant skin lesions
14	Study of certain congenital malformations due to low-level radiation exposures from high background radiation areas
15	Removal of Copper from spiked Aqueous Solution Using Activated Carbon of Rice Husk
16	A Blockchain-Enabled Distributed Advanced Metering Infrastructure Secure Communication (BC-AMI)
17	Overview of Different Modes and Applications of Liquid Phase-Based Microextraction Techniques
18	Magnet integrated fabric phase sorptive extraction as a stand-alone extraction device for the monitoring of benzoyl urea insecticides in water samples by HPLC-DAD
19	Transfer Learning for Sentiment Analysis Using BERT Based Supervised Fine-Tuning
20	A Proportional Scheduling Protocol for the OFDMA-Based Future Wi-Fi Network
21	Advanced Switching Sequences Based Model-Predictive Control for Single-Phase NPC Converters
22	Real-Time Obstacle Detection over Railway Track using Deep Neural Networks
23	Mouse Cursor Movement and Control using Eye Gaze- A Human Computer Interaction
24	A Deep Learning-Based Approach to Image Captioning in Bengali
25	Clustering-Based Under-Sampling with Normalization in Class-Imbalanced Data
26	Effect of Dataset Size and Hidden Layers on the Stability Classification of IEEE-14 Bus System Using Deep Neural Network
27	A Novel Compound Feature based Driver Identification
28	Prediction of Agoraphobia Disease Based on Machine Learning
29	Sentiment Analysis of Public on Social Media about Covid-19 origin theory using Machine Learning
30	Deep Learning Based Sentiment Analysis from Bangla Text Using Glove Word Embedding along with Convolutional Neural Network
31	Machine Vision Based Papaya Maturity Recognition
32	A Machine Learning Based Approach to Predict Online Gaming Addiction in the Context of Bangladesh

33	BanglaHandwritten: A Comparative Study among Single, Numeral, Vowel Modifier, and Compound Characters Recognition Using CNN
34	Credit Approval Decision using Machine Learning Algorithms
35	ML-DP: A Smart Emotion Detection System for Disabled Person to Develop a Smart City
36	Parallelizing Image Processing Algorithms for Face Recognition on Multicore Platforms
37	Enhanced Thermal Stability and Synergistic Effects of Magnesium and Iron Borate Composites against Pathogenic Bacteria
38	Identifying optimised speaker identification model using hybrid GRU-CNN feature extraction technique
39	Testing React Single Page Web Application using Automated Testing Tools
40	SemEval-2022 Task 3: PreTENS - Evaluating Neural Networks on Presuppositional Semantic Knowledge
41	Detection of Copy–Move Image Forgery Applying Robust Matching with K-D Tree Sorting
42	Bangla Font Recognition using Transfer Learning Method
43	SCMA: A Lightweight Tool to Analyze Swift Projects
44	A Secured Peer-to-Peer Messaging System Based on Blockchain
45	Flower Recognition Using VGG16
46	Big Data Distributed Storage and Processing Case Studies
47	Medical Imaging a Transfer Learning Process with Multimodal CNN: Dermis-Disorder
48	Signal propagation parameters estimation through designed multi layer fibre with higher dominant modes using OptiFibre simulation
49	A Framework for Covid-19 Vaccine Management System Using Blockchain Technology
50	A Review on Disease Detection from Medical Images using Machine Learning

Activities and Events:

Empowering the Future: Navigating the Fourth Industrial Revolution with Enterprise CMS

Daffodil International University (DIU) took a significant step towards embracing the Fourth Industrial Revolution by organizing the seminar, "Unlocking the Power of Enterprise CMS in Omnichannel Business." In collaboration with Brain Station 23 Ltd., a prominent IT leader, DIU aimed to empower its CSE & IEE student branch with insights into Enterprise Content Management Systems (CMS). This event aligns with SDG 4 (Quality Education) and SDG 9 (Industry, Innovation, and Infrastructure) by preparing students for the technological challenges of the future. Kudos to DIU and Brain Station 23 Ltd. for this transformative seminar!



DIU Excels at Robo-Tech Olympiad 2023, Showcasing Excellence in Robotics



Daffodil International University (DIU) achieved significant success at the Robo-Tech Olympiad 2023, organized by Mawlana Bhashani Science and Technology University in collaboration with Robotic Valley. DIU emerged as the overall champion and secured the first runner-up position in the "Robo Soccer" competition. They also clinched the fourth runner-up position in the "Project Showcase Senior" category. This success, among 250 students from 70 universities, reflects DIU's dedication to innovation and technological advancement, aligning with its commitment to

excellence in education and research in line with the SDGs.

Inaugural National Fintech Cybersecurity Hackathon 2022

Daffodil International University (DIU) and the ICT Division of Bangladesh joined hands to host the first-ever National Fintech Cybersecurity Hackathon. With more than 120 participants from across the nation, this event aimed to address cybersecurity challenges in the fintech industry, aligning with Sustainable Development Goal 9 (Industry, Innovation, and Infrastructure). Notably, this hackathon also plays a role in the upcoming movie 'Antorjal (Internet)' directed by Dipankar Dipon. The participants showcased 40 innovative projects with the potential to enhance fintech cybersecurity. Senior Secretary Mr. NM Zeaul Alam from the ICT Division graced the event as the chief guest.



DIU Industry-Academia Lecture Series 2023: Fostering Synergy for Development

Daffodil International University (DIU) launched the second phase of its 'Industry-Academia Lecture Series,' reaffirming its commitment to fostering collaboration, a key aspect of the Sustainable Development Goals (SDGs). Sheikh Nasir Uddin, Chairman of Akij Group, served as the keynote speaker, acknowledging the contributions of private sector entrepreneurs in Bangladesh. The event, organized by DIU's Industrial Innovation Center, highlights the university's dedication to bridging the gap between academia and industry. This initiative plays a crucial role in promoting economic growth, innovation, and sustainable development, aligning with the SDGs.



Empowering Innovation: Patent Filing and Application Workshop at DIU

Daffodil International University, in collaboration with the Faculty of Graduate Studies (FGS) and Office of International Affairs, hosted a 3-day workshop on "Patent Filing and Application," reflecting its commitment to SDG 9 (Industry, Innovation, and Infrastructure).

Led by Mr. Akarsh Sharma, a seasoned Business Analyst with twenty registered patents in India, this workshop empowered participants to navigate the intricate world of patent design and filing. By fostering innovation and safeguarding intellectual property, the event reinforced SDG 4 (Quality Education) and contributed to the growth of a knowledge-based society.

Connecting Education with Industry: DIU's Industrial Visit:

The students of Daffodil University continue to bridge the gap between academia and industry, aligning with SDG 9 (Industry, Innovation, and Infrastructure). In their ongoing commitment to hands-on learning, a group of students embarked on an industrial visit to FM Plastic Industries LTD. in Narsingdi and Transcom Beverages Ltd. (Pepsi) in Gazipur, Bangladesh and GrameenPhone Ltd.; Anwar Cements. This initiative underlines SDG 4 (Quality Education) by providing students with practical knowledge and insights into the latest technologies in the plastic industry.



IoT Fest 2023: Fostering Innovation and Collaboration in Bangladesh



The IoT Fest organized by the IoT Lab at DIU's Department of Computer Science & Engineering showcased innovative IoT projects, promoting collaboration and innovation in line with SDG 9 (Industry, Innovation, and Infrastructure). Industry leaders shared insights, and the event highlighted Bangladesh's potential in the IoT landscape, contributing to sustainable development goals. Stay tuned for more innovations from the next generation of IoT pioneers in Bangladesh!

Innovation for a Sustainable Future: Sheikh Naeem Hasan Moon's Triumph at 44th National Science and Technology Week 2023

Sheikh Naeem Hasan Moon, a student from Daffodil University's Department of Innovation & Entrepreneurship, achieved 1st Runner-up in the 44th National Science and Technology Week 2023 for developing an AI-based Hackerbot. This innovative solution aligns with Sustainable Development Goal 9 - Industry, Innovation, and



Infrastructure, showcasing the power of technology to address global challenges. This accomplishment reflects the importance of nurturing innovation and entrepreneurship for a sustainable future and serves as an inspiration to all.

AWS Cloud Day Bangladesh 2023: Empowering a New Generation of Tech Experts

Amazon Web Services (AWS) is collaborating with local technology training partners, including Daffodil International Professional Training Institute (DIPTI), to train 50,000 cloud technocrats and cybersecurity experts in Bangladesh. This initiative aligns with the UN Sustainable Development Goals (SDGs) by promoting technology education and skill development. DIU and DIPTI recently co-hosted the "Amazon Web Services Cloud Day" in Dhaka, featuring 10 AWS experts and attracting a diverse audience. The event provided deep insights into AWS technologies, fostering innovation and growth opportunities, and contributing to technology-related SDGs and Bangladesh's IT ecosystem.



Robotics Showcase: Nurturing Talent at Daffodil International University

Daffodil International University hosted an exciting line-following robot competition organized by Daffodil Robotics Lab. This event provided students with a platform to showcase their robotics skills and enhance their learning outcomes. Participants had to design and assemble personalized robot chassis using 3D design software and CNC machines, bringing their creations to life with robot software. With 40 enthusiastic teams, the competition highlighted the importance of hands-on experience in the field of robotics.



Empowering Innovation: Highlights from the Global Entrepreneurship World Cup National Final 2022



Daffodil International University, in collaboration with GEN Bangladesh, hosted the National Final of the Global Entrepreneurship World Cup. The event featured 79 teams from colleges and universities, with 21 teams advancing to the semi-finals. Team Westech, Ministry of Codes, and Robust Research & Development Ltd emerged as champions in the Idea, Early, and Growth Stages, respectively. These national champions will compete in the Global Final, promoting entrepreneurship and innovation in

alignment with the Sustainable Development Goals (SDGs).



**Reduce
inequality
within and
among countries**

SDG10:

Sustainable Development Goal 10 is about reduced inequality and is one of the 17 Sustainable Development Goals established by the United Nations in 2015. The full title is: "Reduce inequality within and among countries". The Goal has ten targets to be achieved by 2030.

Progress and Achievements:

Physically Challenged students (%)	1%
Physically Challenged Staff (%)	1%
Proportion of first-generation students	90%+
Proportion of foreign students from LDCs/developing countries	80%+
Setting up a disability office	Yes (1)
Implementation of Non-discrimination policy	Yes
Number of students got admission opportunity from underrepresented groups	50+
Set up of a diversity and equality committee/office	Disciplinary committee of DIU Office of the Proctor of DIU
Mentoring and counseling received by students from underrepresented groups	100%
Disability support services ensured	<ul style="list-style-type: none"> - Ramp in stairs - Wheelchair service - Personal assistance service for physically impaired persons - Transport facility - Financial waiver facility - Accommodation facility
Insurance Scheme	Implemented for students, guardians, faculty and Employees

Policies implemented at DIU:

Following and implemented the:

1. [Anti-Harassment and Non-Discriminatory Policy](#)
2. [Grievance Policy and Procedure](#)
3. [Maternity Leave Policy](#)
4. [Policy for Managing Women's Career Counseling Services](#)
5. [Equality, Diversity, and Inclusion Policy](#)

Situation	Number of complaints	Resolved
Students experiencing bullying	5	5
(Students experiencing corporal punishment	0	0
(Students experiencing harassment, ragging	4	4
Students' violence	5	5
Students experiencing sexual discrimination and abuse	6	6

In Bangladesh, female students are underrepresented in STEM areas. DIU has made substantial progress in attracting more female students to get admitted into STEM areas in 2022 than the previous year. Here is the summary:

Female students in STEM areas in 2022	27%
Female students in STEM areas in 2021	24%
Overall increase of Female students in STEM areas	3%

Percentage of Female Students in 2022	39%
Percentage of Female Students in 2021	36.5%
Increase of Female Students	+2.5%

Support Service provided to a Disabled People





Support services for Physically challenged People in campus

Home About ▾ SDGs Initiatives & Innovations Report SDG Policy Ranking & Awards Research & Education ▾ Events Activity Contact

Disability Support Office

Daffodil International University

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Daffodil Smart City
Daffodil International University
Tel: +880224441833
E-mail: deanoffice-fgs@daffodiliversity.edu.bd



DIU Day Care facility for children

HRDI Takes the Lead at the National Minority Youth Leadership Summit

HRDI actively participated in the National Minority Youth Leadership Summit organized by the Council of Minority and Community Leadership Advancement Platform (CLAP). Assistant Director at HRDI, Mr. Amir Hamza, led an engaging session on Nature-Based Solutions for Climate Change with a view to making a difference and creating a sustainable future.





DIU Faculty led the Educational Outreach Program to Encourage the Underrepresented Groups to Study in Areas where they are underrepresented

A group of researchers, led (deputy) by DIU faculty Mr. A.B.M. Nazmul Islam conducted several activities related to the International Year of Basic Sciences for Sustainable Development involving female students from remote villages, supported by ISP. The group visited the Sahapara Parveen Sorony girls' school and college in Shibganj, Chapai Nawabganj district. The village lies in a remote area.

Educational institutions in these areas are experiencing student dropouts, especially the girls. The covid-19 pandemic made the dropouts even worse, since financially challenged parents find it burdensome for sending their girls to school. Although the basic sciences physics, chemistry and mathematics are taught to the students, there is a lack of proper knowledge and scientific demonstrations. In order to inspire the girl students to study science, BAN:05 arranged a workshop on handling and maintenance of scientific instruments and tools. To attract students some chemistry experiments involving magic fire demonstration, ghost fumes etc. were shown.



Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-10. Below is a highlight of such contribution:

SL	Article Title
1	An analysis of the environmental impacts of ethnic diversity, financial development, economic growth, urbanization, and energy consumption: fresh evidence from less-developed countries
2	Discrimination and social exclusion of third-gender population (Hijra) in Bangladesh: A brief review
3	Drug Addiction and Substance Use Among the Dalit Married Adolescent Girls in Bangladesh: a Cross-Sectional Survey
4	Role of Gut Microbiome in Autism Spectrum Disorder and Its Therapeutic Regulation
5	Human rights violations and associated factors of the Hijras in Bangladesh—A cross-sectional study
6	An automated navigation system for blind people
7	ML-DP: A Smart Emotion Detection System for Disabled Person to Develop a Smart City
8	IoT based Low-cost Posture and Bluetooth Controlled Robot for Disabled and Virus Affected People
9	Broca's Area of Brain to Analyze the Language Impairment Problem and Behavior Analysis of Autism

Activities and Events:

Eid Bazar for Deprived-2023: A Celebration of Community and Giving

In a heartwarming display of community spirit and commitment to the SDGs, the Social Business Students' Forum (SBSF) organized the 'Eid Bazar for Deprived-2023.' This event exemplifies the essence of SDG 1 (No Poverty) and SDG 2 (Zero Hunger) by providing essential items to 52 underprivileged families, enabling them to celebrate Eid-ul-Fitr with joy and dignity. The act of giving back to the community is at the core of SDG 10 (Reduced Inequality) and SDG 17 (Partnerships for the Goals), as it reflects the collective effort to create a more inclusive and equitable society.



Empowering Women in IT: DIU Hosts Seminar on IT Entrepreneurship



Daffodil International University, in partnership with Bangladesh Women in IT (BWIT), organized a seminar titled "Design Your Career as IT Entrepreneurship and Grow" at Daffodil Smart City in Ashulia. The event aimed to empower women in IT entrepreneurship and featured participation from the Girls Computer Programming Club of DIU. Key figures like Ms. Nazneen Kamal, Vice President of BWIT, along with Ms. Ambareen Reza, Co-Founder of Foodpanda, and Ms. Nigar Sultana, Director of ICT at TMSS, shared insights. The seminar emphasized the importance of promoting entrepreneurship among women in IT, contributing to gender equality and aligning with Sustainable Development Goals (SDGs).



**Make cities and
human settlements
inclusive, safe,
resilient and
sustainable**

SDG 11:

Sustainable Development Goal 11, titled "sustainable cities and communities", is one of 17 Sustainable Development Goals established by the United Nations General Assembly in 2015. The official mission of SDG 11 is to "Make cities inclusive, safe, resilient and sustainable".

DIU's Contribution and progress:

Number of public accesses to DIU central library: 500+
Number of public accesses to DIU green campus: 1,000+
Contribution to Arts and heritage (public performances in number): 30+
250+ bicycles, 20 electric cars, 90 shuttle buses for ensuring sustainable commuting
DIU allows remote working/working from home from 2020. It has an implemented policy on "Work from home"
Around 5,000+ students (Male & Female) got accommodation in campus
Around 200 staff got accommodation in campus
DIU follows its pedestrian policy in campus and has necessary arrangements for pedestrian movement in campus
DIU bought and renovated and extended an existing building (brownfield sites) for transforming into Engineering complex with all engineering labs.





Secured Energy monitoring area; Automatic fire alarm system and firefighting equipment



Fire Extinguisher along with Instructions to be followed (in local language)



Exit indication and audio speaker for use during any fire and accidental moment



Fire balls are placed in suitable places to be used in fire incidents



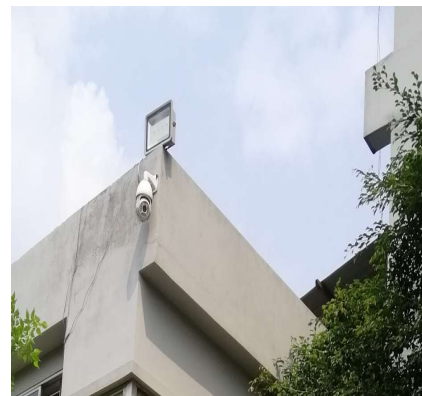
Automated system for access in the campus buildings





Automatic energy management & monitoring system (Secured system)



Finger print-based, password protected and Face recognition locker system for students (security) & Fingering system for daily attendance and access into the university



Safety Access & CC camera on campus

	
<p>Air temperature and humidity are being measured through Thermo-Hygrometer (Air safety in campus)</p>	<p>Air velocity is being measured through anemometer at DIU campus (Air safety in campus)</p>

Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-11. Below is a highlight of such contribution:

SL	Article Title
1.	Citizen's Perception on Eco-friendly Lifestyle for Conserving Endangered Oriental White Stork and Crested Ibis Bird Species in Japan–Case Studies in Toyoka, Sado and Konosu Cities
2.	The Prevalence of Active Commuting to School and the Factors Influencing Mode Choice: A Study of University Students in a Secondary City of Bangladesh
3.	Prevalence and determinants of hypertension among urban slum dwellers in Bangladesh
4.	Factors Affecting Demand and Supply in the Housing Market: A Study on Three Major Cities in Turkey
5.	The status of natural radioactivity in Nigerian environments
6.	Environmental corporate social responsibility and pro-environmental behavior: The effect of green shared vision and personal ties
7.	Critical success factors of construction projects in Jordan: an empirical investigation
8.	Dual Band Antenna Design and Prediction of Resonance Frequency Using Machine Learning Approaches
9.	The efficacy of various thicknesses of float glasses for protection of gamma-radiation
10.	Suggested two layers container for shielding the low and intermediate activity gamma-ray sources
11.	Localisation of Sustainable Development Goals (SDGs) in Bangladesh: An Inclusive Framework under Local Governments
12.	Computer vision-based street-width measurement for urban aesthetics identification
13.	Remittances, migrant households and pandemic resilience in rural Bangladesh
14.	Cone Beam Computerized Tomographic Analysis of Collum Angle of the Maxillary Central Incisors in Different Types of Malocclusion: Comparative Assessment in Saudi, Jordan and Egypt Subpopulation
15.	Sustainable Local Development: Consolidated Framework for Cross-Sectoral Cooperation via a Systematic Approach

16.	Pathways towards environmental sustainability: exploring the influence of aggregate domestic consumption spending on carbon dioxide emissions in Pakistan
17.	Botnet Detection in IoT Devices Using Random Forest Classifier with Independent Component Analysis
18.	Important factors to remember when constructing a cross-site scripting prevention mechanism
19.	Bridge Crack Detection Using Dense Convolutional Network (DenseNet)
20.	Critical Success Factors for Concrete Recycling in Construction Projects
21.	Finite element simulation on the convective double diffusive water-based copper oxide nanofluid flow in a square cavity having vertical wavy surfaces in presence of hydro-magnetic field
22.	Deployment of e-services based contextual smart agro system using internet of things
23.	Traffic Flow Forecasting in Intelligent Transportation Systems Prediction Using Machine Learning
24.	A Study of Smart Presence System by using Machine Learning Approach
25.	Fractal Pattern Identification from Wearable Inertial and Electromyographic Signals Data during Walking
26.	A Cost-Effective IoT Device for Protecting People from the Dangers of Environmental Risk in Bangladesh
27.	Autonomous Path Planner Vehicle Using Raspberry Pi
28.	MODELING THE BEHAVIOR IN CHOOSING THE TRAVEL MODE FOR LONG-DISTANCE TRAVEL USING SUPERVISED MACHINE LEARNING ALGORITHMS
29.	ML-DP: A Smart Emotion Detection System for Disabled Person to Develop a Smart City
30.	IoT-Based Automatic Gas Leakage Detection and Fire Protection System
31.	Aiming Sustainable Transportation Utilizing Social Capital: A Perspective of Mobile Car Park App
32.	Analysis on the Bus Arrival Time Prediction Model for Human-Centric Services Using Data Mining Techniques
33.	Design and Analysis of Multilayered Neural Network-Based Intrusion Detection System in the Internet of Things Network
34.	Investigation on Mechanical Durability Properties of High-Performance Concrete with Nanosilica and Copper Slag
35.	An Intelligent and Multi-Functional Stick for Blind People Using IoT
36.	Effects of Internet of things (IoT) on performance of agricultural in China: A case study
37.	A Model Based on Convolutional Neural Network (CNN) for Vehicle Classification
38.	IoT-Based Intelligent System for Internal Crack Detection in Building Blocks
39.	Artificial Intelligence Empowered Internet of Things for Smart City Management
40.	Design and Development of IoT based Automated Railway Level Crossing
41.	Implementation of Energy Efficient Artificial Intelligence-Based Health Monitoring and Emergency Prediction System Using IoT: Mediating Effect of Entrepreneurial Orientation

Activities and Events:



Asia Marketing Day 2023: Shaping SMART Nations and SMART Citizens through Marketing

Daffodil International University, in partnership with the Asia Marketing Federation (AMF), observed Asia Marketing Day 2023, emphasizing SDG 17 (Partnerships for the Goals). The event, themed "Marketing's Role in Creating SMART Nations and SMART Citizens," celebrated Professor

Philip Kotler's 92nd birthday, the Father of Modern Marketing, in support of SDG 4 (Quality Education) and SDG 9 (Industry, Innovation, and Infrastructure). It featured a panel discussion with Professor Kotler and marketing experts on the future of marketing and explored how entrepreneurial marketing contributes to shaping smart citizens, promoting knowledge exchange in line with the Sustainable Development Goals.

Empowering Youth through Cross-Cultural Learning: UMAP Discovery Camp 2023

Md. Mahmudul Hasan Suzan, a student from DIU's Department of Computing & Information System, participated in the "UMAP Discovery Camp 2023: The Globe Discover Indonesia" in collaboration with Indonesian universities. During the two-week camp, Suzan attended seminars on various topics, interacted with local students, and explored Indonesian culture and landmarks. His experience underscores the importance of cross-cultural learning and youth engagement in promoting global unity and advancing the Sustainable Development Goals (SDGs).



DIU Engineering Students' Inspiring Visit to Padma Bridge: Building Bridges to Sustainable Infrastructure



Daffodil International University (DIU) organized a significant visit to the iconic Padma Bridge, providing students from the Civil Engineering and Real Estate Departments with insights into mega projects aligned with UN Sustainable Development Goals (SDGs) related to infrastructure and innovation. Guided by faculty members and experts, students gained firsthand experience of the project, observing large-scale engineering works and transportation systems. This visit not only showcased the grandeur of the Padma Bridge but also inspired a new generation of engineers and real estate professionals to contribute to sustainable infrastructure development and build a brighter

future in line with the SDGs.

Advancing Environmental Research: Dr. Mahfuza Parveen's Impactful Presentation at SnT2023

Dr. Mahfuza Parveen, an Associate Professor at Daffodil International University's Department of Environmental Science and Disaster Management, presented a significant paper titled "Integrating Comprehensive Nuclear-Test-Ban Treaty (CTBT) Data in Academic Research of Environmental Science and Disaster Management in Bangladesh" at the Science and Technology Conference 2023 (SnT2023) in Vienna, Austria. This event brought together experts, researchers, scientists, and academics to promote international collaboration and knowledge sharing. Dr. Parveen's presentation contributes to the field of Environmental Science and Disaster Management and aligns with UN Sustainable Development Goals, particularly Climate Action (SDG 13) and Partnerships for the Goals (SDG 17).



Heart for Humanity: DIU's Community Outreach in Sunamganj



In a powerful demonstration of humanity and solidarity, Daffodil International University (DIU) reaches out to approximately 1,000 underprivileged families in the Jamalgonj Upazila of Sunamganj district. Through the distribution of essential relief supplies, DIU, in collaboration with various university clubs, embodies the spirit of the Sustainable Development Goals (SDGs) by promoting mutual cooperation, empathy, and support among communities. This heartwarming initiative, aptly named "Heart for Humanity," exemplifies DIU's commitment to making a positive impact on society.

Enhancing Safety Awareness: DIU Fire and Earthquake Drill Training



In pursuit of safety and preparedness for fire and earthquake incidents, Daffodil International University's Safety & Security Department conducted a comprehensive training program on October 20, 2022, at Daffodil Smart City, Ashulia, Dhaka. The training encompassed Fire Evacuation Drill Practice, Firefighting, Earthquake Response, First Aid, and Rescue Techniques. These proactive measures align with Sustainable Development Goals (SDGs) by prioritizing safety and disaster preparedness, ensuring a more resilient and secure future for all.

5th Civil Engineering Day 2022: Nurturing Sustainable Solutions

The Department of Civil Engineering at Daffodil International University marked its 5th Civil Engineering Day 2022. This full-day celebration encompassed sports activities, an award ceremony, cultural performances, a band show, and much more.

The event was graced by the presence of Professor Dr. Ainun Nishat, a specialist in Water Resources and Climate Change, who joined as the special guest. Beyond the festivities, this occasion emphasized the commitment to Sustainable Development Goals (SDGs) by highlighting the role of civil engineering in shaping a sustainable future.



Waste Management and Inclusiveness: Building a Sustainable Future



Under the theme "Reuse the past, Recycle the present, Save the future," a proactive program titled "Waste Management and Inclusiveness" took place at Daffodil International University. The event, organized by SI Alumni Network in BD and the Embassy of Sweden in Dhaka, with support from Swedish Institute (SI), Sweden, was hosted by the Department of Nutrition and Food Engineering, DIU. Aligned with Sustainable Development Goals (SDGs), the program aimed to promote sustainable practices and inclusivity for a more sustainable future.

Empowering Digital Citizens: DIU Cyber Security Awareness Workshop



With over 120 million internet users in the country, many face the consequences of online misuse due to carelessness and ignorance. To address this, the Department of Computer Science and Engineering (CSE) at Daffodil International University (DIU) organized a workshop on 'Cyber Security Awareness among Internet Users' on October 31, 2022.

Mr. Shyam Sunder Shikder, Chairman of Bangladesh Telecommunication Regulatory Commission (BTRC), graced the workshop as the chief guest, emphasizing the importance of cyber security and featured key figures from BTRC, Bangladesh Police, Bangladesh Bank, and DIU's Cyber Security Center. Aligned with Sustainable Development Goals (SDGs), this workshop aimed to educate and empower internet users, fostering a safer and more secure digital environment.



Ensure sustainable consumption and production patterns

SDG 12:

Sustainable Development Goal 12, titled "responsible consumption and production", is one of the 17 Sustainable Development Goals established by the United Nations in 2015. The official wording of SDG 12 is "Ensure sustainable consumption and production patterns".

DIU's contributions and Progress:

DIU GreenGarden and Food Court source required food and supplies considering health safety, hygiene, organic issues.
DIU has established an organic waste management system in campus
DIU has established an inorganic waste management system in campus
DIU has established a sustainable sewage disposal system in campus
DIU is following plastic reduction policy in campus
Total organic waste produced: 21.90 metric ton and recycled 16.20 metric ton
Total inorganic waste produced: 6.05 metric ton and recycled 4.6 metric ton

Various Waste Management Initiatives at DIU:



Organic waste management system:



Inorganic Waste Management



Hazardous Chemical Handling with Proper Safety and Care:



Proper Labeling of Chemicals:



Toxic Waste Disposal:

The lab chemical and toxic waste disposal system is covered by the approved Lab SOP of DIU.

Identification of chemicals:

This is important because different chemicals have different disposal requirements.

Separation of incompatible chemicals:

Some chemicals can react with each other and create hazardous fumes or explosions. It is important to separate these chemicals so that they do not come into contact with each other.

Labeling of the containers:

All containers of chemical waste are labeled with the following information-

- The name of the chemical
- The concentration of the chemical
- The date when the waste was generated
- The type of disposal (e.g., hazardous waste, sanitary sewer drain disposal etc.)

Disposing the waste properly:

The disposal method for liquid chemical wastes vary depending on the type of chemical. Some common methods of disposal include-

- Sanitary sewer drain disposal: This method is only allowed for certain types of chemicals.
- Chemical waste program: This program is for hazardous waste that cannot be disposed of in the sanitary sewer

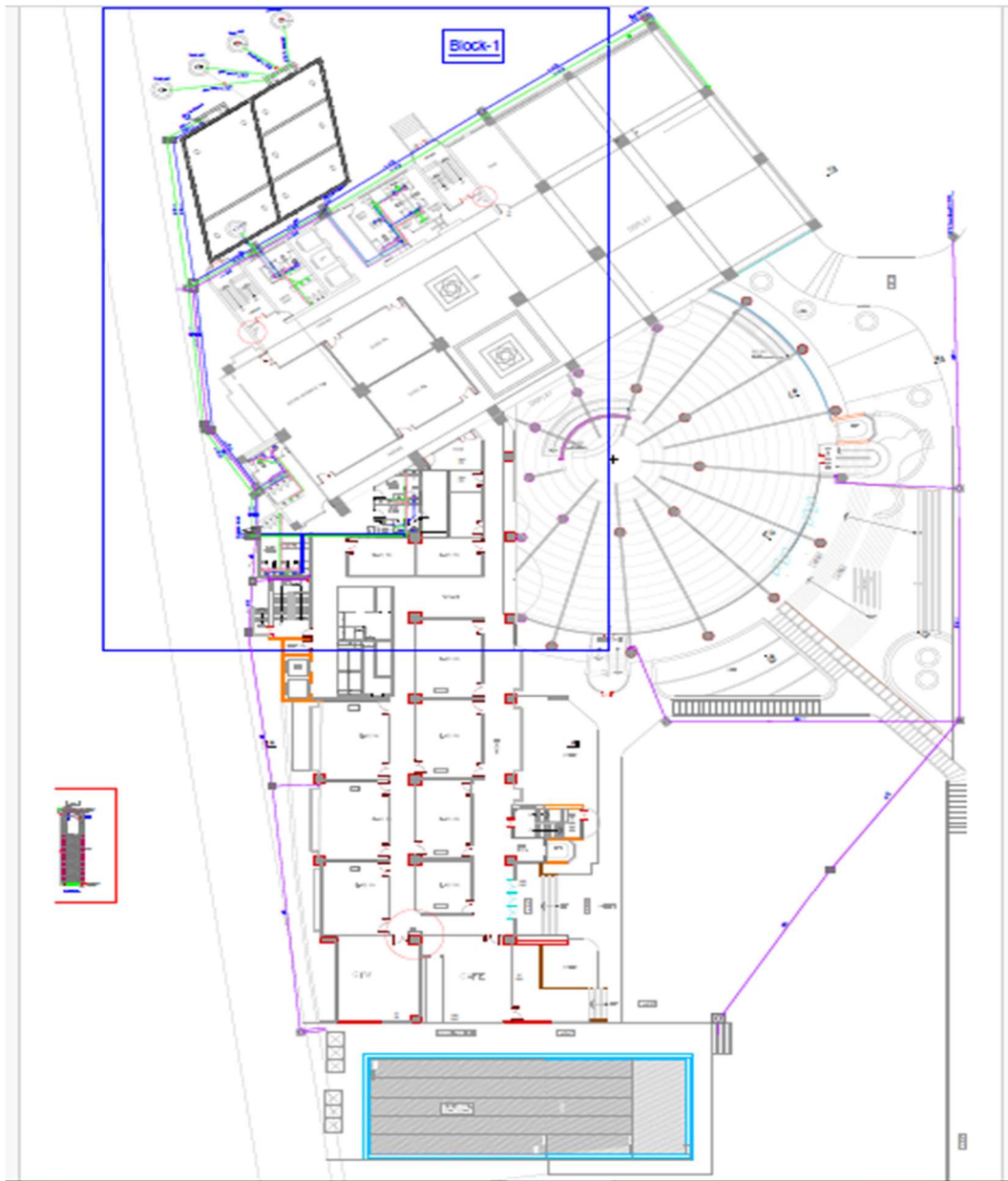


Reuse and reduction of Plastic & Paper use



DIU Follows printing on Two sides of the paper and all staff are well informed that no document should be printed unless very essential. Besides, most of the meetings of DIU are organized in an online platform and all communications and memorandums are circulated through email and self-developed SmartEdu online platform, ensuring substantial reduction in paper use.

Sewage System at DIU



Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-12. Below is a highlight of such contribution:

SL	Article Title
1	Medical Waste in Bangladesh, its Causes and Impacts on Environment and Human Health: An Overview
2	First-principles quantum treatment of electron-phonon interactions in thin-film nanodevices

3	A Comprehensive Review on the Sustainable Treatment of Textile Wastewater: Zero Liquid Discharge and Resource Recovery Perspectives
4	Knitted Denim Fabrics: Fabrication Process and Fibrous Influence on Several Properties of the Fabric
5	Influence of spin-orbit coupling and biaxial strain on the inorganic lead iodide perovskites, APbI ₃ (A = K, Rb, and Cs)
6	Inventory management with hybrid cash-advance payment for time-dependent demand, time-varying holding cost and non-instantaneous deterioration under backordering and non-terminating situations
7	Polyurethane (PU) based multifunctional materials: Emerging paradigm for functional textiles, smart, and biomedical applications
8	Sustainable Food Waste Recycling for the Circular Economy in Developing Countries, with Special Reference to Bangladesh
10	Modelling sustainable manufacturing practices effects on sustainable performance: the contingent role of ownership
11	What Influences Home Gardeners' Food Waste Composting Intention in High-Rise Buildings in Dhaka Megacity, Bangladesh? An Integrated Model of TPB and DMP
12	Analysis of student sentiment during video class with multilayer deep learning approach
13	Natural biopolymeric nanotechnology-based food packaging materials with antimicrobial properties
14	Removal of Copper from spiked Aqueous Solution Using Activated Carbon of Rice Husk
15	Forecasting e-waste recovery scale driven by seasonal data characteristics: A decomposition-ensemble approach
16	Fiber types and fabric structures influence on weft knitted fabrics
17	Textile colouration with natural colourants: A review
18	Strategies for Enhancing Construction Waste Recycling: A Usability Analysis
19	Efficient way for chemicals identification using hexagonal fiber with the terahertz (THz) band
20	Combination of fabric phase sorptive extraction with UHPLC-ESI-MS/MS for the determination of adamantane analogues in human urine
21	Effects of Stores' Environmental Components on Chinese Consumers' Emotions and Intentions to Purchase Luxury Brands: Integrating Partial Least Squares-Structural Equation Modeling and Fuzzy-Set Qualitative Comparative Analysis Approaches
22	Green Metallic Nanoparticles: Biosynthesis to Applications
23	Fabric phase sorptive extraction combined with gas chromatography-mass spectrometry as an innovative analytical technique for the determination of selected polycyclic aromatic hydrocarbons in herbal infusions and tea samples
24	Fabric Phase Sorptive Extraction for the Determination of Anthracyclines in Sewage
25	Strain-Driven Optical, Electronic, and Mechanical Properties of Inorganic Halide Perovskite CsGeBr ₃
26	Glass Production from River Silica of Bangladesh: Converting Waste to Economically Potential Natural Resource
27	Development of highly hydrophobic fabric phase sorptive extraction membranes and exploring their applications for the rapid determination of tocopherols in edible oils analyzed by high pressure liquid chromatography-diode array detection
28	Determination of synthetic opioids in oral fluid samples using fabric phase sorptive extraction and gas chromatography-mass spectrometry

29	PestDetector: A Deep Convolutional Neural Network to Detect Jute Pests
30	Prospects and challenges of polymer nanocomposites for innovative food packaging
31	IoT Adoption by the Young Consumer: An Extended ASE Perspective
32	Performance Analysis of Linearly Arranged Concentric Circular Antenna Array with Low Sidelobe Level and Beamwidth Using Robust Tapering Technique
33	Paradoxes on sustainable performance in Dhaka's enterprising community: a moderated-mediation evidence from textile manufacturing SMEs
34	Design and Implementation of Intelligent Dustbin with Garbage Gas Detection for Hygienic Environment based on IoT
35	Flexible screen-printed amperometric sensors functionalized with spray-coated carbon nanotubes and electrodeposited Cu nanoclusters for nitrate detection
36	Bast Fiber Reinforced Green Polymer Composites: A Review on Their Classification, Properties, and Applications
37	Effect of abrasion and chemical treatment of recycled aggregate on the workability, strength, and durability properties of concrete
38	Quantification and Health Safety Assessment of Some Toxic Metals in Anti-Diabetic Herbal Preparations Collected from Local Retailers Using the XRF Analytical Tool

Activities and Events:

"Waste management and Inclusiveness" Event at DIU

"Reuse the past, Recycle the present, Save the present" with this theme the precautionary program is organized under the title "Waste management and Inclusiveness" at Daffodil International University. The program was organized by SI Alumni Network in BD and Embassy of Sweden in Dhaka, Supported by Swedish Institute (SI), Sweden and hosted by Department of Nutrition and Food Engineering, DIU. A good number of students from various schools of the local community participated in the program.



Strengthening Textile Education and Industry Collaboration: DIU's MoA with PURBANI Group



The Department of Textile Engineering at Daffodil International University (DIU) signed a Memorandum of Agreement (MoA) with PURBANI Group on December 17th, 2022, aiming to enhance textile education and industry collaboration. This partnership aligns with SDG 4 (Quality Education) and SDG 9 (Industry, Innovation, and Infrastructure). Under the MoA, students will benefit from industry-related opportunities, including visits, assignments, research projects, workshops, internships, and job placements,

enriching their educational experience and contributing to the textile industry's growth and innovation. This collaboration empowers the next generation of textile professionals and promotes sustainable development in Bangladesh's textile sector.

Navigating Sustainable Textile Supply Chains: Insights from DIU Seminar

The Department of Textile Engineering at Daffodil International University recently organized a seminar on "Supply Chain Management in Textile Industry" at the International Conference Hall, Daffodil Smart City in Ashulia, Dhaka.



During the seminar, speakers delved into discussions about the global textile market, the state of the textile industry in Bangladesh, and the intricacies of the supply chain within the Bangladeshi textile sector. This informative event not only enhances knowledge but also aligns with Sustainable Development Goals (SDGs) by promoting sustainable practices within the textile industry.



**Take urgent action
to combat
climate change
and its impacts**

SDG 13:

Sustainable Development Goal 13 is to limit and adapt to climate change. It is one of 17 Sustainable Development Goals established by the United Nations General Assembly in 2015. The official mission statement of this goal is to "Take urgent action to combat climate change and its impacts".

DIU's Contribution and Progress:

Signatory to SDG Accord	Yes
Reported to SDG Accord	Yes
Race to Zero Commitment	Member
Sustainable Development Solutions Network	Member
Established Academic Department	Department of Environmental Science & Disaster Management
Climate Action Strategy	Implementing
Climate change related projects	2 (1 completed & 1 in progress)

Free bicycle for on campus movement

Daffodil International University's new eco-friendly initiative (free bicycle for on campus movement), supported by PRAN-RFL Group, promotes bicycles as pollution-free transportation.



Electric Cars in Campus

DIU has a good number of electric cars to ensure environment-friendly movement on campus by its stakeholders with zero carbon emission. It has a charging station for electric vehicles. The electric cars operate around the campus during the entire day for on campus movement as fuel-based vehicles are prohibited to enter the campus.



Charging station for electric vehicles:



Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-13. Below is a highlight of such contribution:

SL	Article Title
1	Global Advancements and Current Challenges of Electric Vehicle Batteries and Their Prospects: A Comprehensive Review
2	Understanding the socio-economic impacts of climate change on riparian communities in Bangladesh
3	Electric Vehicle-to-Grid (V2G) Technologies: Impact on the Power Grid and Battery
4	The impacts of fuel exports on sustainable economic growth: The importance of controlling environmental

	pollution in Saudi Arabia
5	Synthesis of biodiesel from <i>Carthamus tinctorius</i> L. oil using TiO ₂ nanoparticles as a catalyst
6	Impact of climate change on agricultural production; Issues, challenges, and opportunities in Asia
7	Have international remittance inflows degraded environmental quality? A carbon emission mitigation analysis for Ghana
8	Pathways to decarbonization in India: the role of environmentally friendly tourism development
9	A review of the global climate change impacts, adaptation, and sustainable mitigation measures
10	Pathways towards environmental sustainability: exploring the influence of aggregate domestic consumption spending on carbon dioxide emissions in Pakistan
11	Environmental Performance, Corporate Governance and Financial Performance of Chinese Heavy Polluted Industries
12	Challenges for Implementing Environmental Management Plans in Construction Projects: The Case of Malaysia
13	Socioeconomics determinants of household carbon footprint in Iskandar Malaysia
14	Farmers' livelihood and adaptive capacity in the face of climate vulnerability
15	Do economic policy uncertainty and geopolitical risk surge CO ₂ emissions? New insights from panel quantile regression approach
16	Investigating the Environmental Kuznets Curve hypothesis amidst geopolitical risk: Global evidence using bootstrap ARDL approach
17	The Mediation Effect of Carbon Accounting in Relation to Carbon Risk Management and Carbon Performance of Malaysian Companies
18	Climate change and COVID-19: shared challenges, divergent perspectives, and proposed collaborative solutions
19	A Cost-Effective IoT Device for Protecting People from the Dangers of Environmental Risk in Bangladesh
20	Analysis of Flood Risk Prediction Using Different Machine Learning Classifiers: A Study of Predicting Flood Risk in Rural Areas, Bangladesh
21	The panorama of corporate environmental sustainability and green values: evidence of Bangladesh
22	Does Globalization Trigger an Ecological Footprint? A Time Series Analysis of Bangladesh
23	Climate Change and Mitigation in Bangladesh: Vulnerability in Urban Locations
24	Influences of Aqueous Nanofluid Emulsion on Diesel Engine Performance, Combustion, and Emission: IoT (Emission Monitoring System)
25	INVESTIGATING THE IMPACT OF RE CONSUMPTION ON CO ₂ EMISSIONS: EVIDENCE FROM THE SAARC COUNTRIES
26	Dynamic linkages between globalization, human capital, and carbon dioxide emissions: empirical evidence from developing economies
27	Nexus of Stakeholder Integration, Green Investment, Green Technology Adoption and Environmental Sustainability Practices: Evidence from Bangladesh Textile SMEs

Activities and Events:

Dr. Mahfuza Parveen Joins Commonwealth Futures Climate Research Cohort as Mentor



Dr. Mahfuza Parveen, an Associate Professor in DIU's Department of Environmental Science and Disaster Management (ESDM), has been appointed as a mentor in the Commonwealth Futures Climate Research Cohort 23-24. This program, aligned with SDG 13 (Climate Action), focuses on early career researcher development, climate action, and research co-creation. Dr. Parveen will guide and support fellows throughout a 12-month training program, facilitating climate research collaboration and networking. Her role as a mentor highlights her commitment to climate research and nurturing the next generation of climate researchers, contributing to climate action and sustainable development.

Colloquium on Sustainable Environment and Low Carbon Future

DIU's ESDM department, in collaboration with HRDI, organized a colloquium addressing sustainability, energy, groundwater, and low carbon options in Bangladesh. The event aligns with SDGs 7 and 13, focusing on clean energy and climate action. Prof. Shamsuzzaman Farooq chaired the session, and it provided a platform for insightful discussions among faculty and students at DIU, fostering a more environmentally responsible community.



World Environment Day Celebration at Daffodil International University

On June 5th, the world observes World Environment Day, the Department of Environmental Science and Disaster Management at Daffodil International University, located in Daffodil Smart City, Savar, organized a series of events, including rallies, tree planting initiatives, and discussion sessions. These activities underscore the university's commitment to raising awareness and playing an active role in safeguarding the environment.



Go Green: Cultivating Sustainability with DIU's Tourism and Hospitality Students

Daffodil International University's Department of Tourism and Hospitality Management organized the "Go Green" event on May 30, 2023, as part of their Sustainable Tourism course. Students from different batches participated under the guidance of Ms. Fairooze Waziha, their course instructor. The event focused on tree planting, introducing various tree species, and aligning with

the United Nations' Sustainable Development Goals (SDGs) to promote environmental conservation and responsible tourism practices. This initiative represents a collective effort toward a greener and more sustainable world.

Sustainable Environment Colloquium: Focus on Bangladesh

Daffodil International University (DIU) is hosting a colloquium on January 16, 2023, to address sustainable environmental concerns in Bangladesh. This event features experts discussing energy and groundwater sustainability, aligning with Sustainable Development Goals 6 and 7. Renowned speakers from international institutions will share insights, contributing to environmental awareness and collaboration in Bangladesh.



Addressing Flooding Challenges: A Comparative Seminar on Climate Change Impact in Bangladesh and Australia

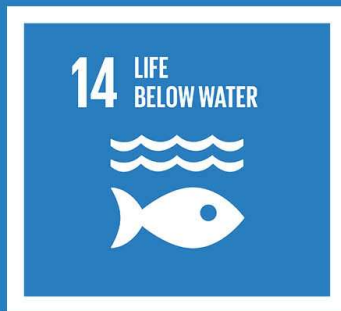


The Department of Environmental Science and Disaster Management (ESDM) and The Department of Real Estate (DRE) collaboratively organized a seminar focusing on the "Impact of Climate Change on Flooding" in Bangladesh and Australia. The event aimed to explore solutions for mitigating flooding issues in Bangladesh, a riverine country facing climate change challenges. The keynote speaker, Professor Dr. Ataur Rahman from Western Sydney University, Australia, shared valuable insights, emphasizing the importance of global cooperation and sustainable practices in addressing climate change-related flooding, aligning with the United Nations Sustainable Development Goals (SDGs).

Sustainable Agriculture for Empowering Entrepreneurs

The "Daffodil Agro Project," located in Gozaria, Munshiganj, is a sustainable agricultural initiative managed by Daffodil International University's Department of Nutrition and Food Engineering and Department of Innovation and Entrepreneurship. It focuses on cultivating organic fruits sourced from the Germplasm Center of Bangladesh Agricultural University. Recently, it hosted faculty members from Mykolas Romeris University, Lithuania, as part of the EU's Erasmus Scholarship program. The project provides DIU students with opportunities for practical research, low-cost organic food production, and marketing, aligning with the United Nations Sustainable Development Goals (SDGs) and fostering entrepreneurship skills.





Conserve and sustainably use the oceans, seas and marine resources for sustainable development

SDG 14:

Sustainable Development Goal 14 is about "Life below water" and is one of the 17 Sustainable Development Goals established by the United Nations in 2015. The official wording is to "Conserve and sustainably use the oceans, seas and marine resources for sustainable development".

DIU's Contributions and Progress:

Set up an academic department on Agricultural Science
Implementing a project on cultivating fish in the transformed DIU Lake water
Follows water discharge guidelines
Has been implementing plastic reduction policy in campus
Has been implementing the Guidelines on Water Pollution Reduction in campus

Transformation of the polluted water lake at DIU

A research team of Department of Environmental Science & Disaster Management (ESDM) and other experts undertook a project to renovate and revive an old and polluted water lake surrounding the university campus. The water of the lake was polluted and the surrounding environment was not suitable for students and the local community. The research team with their expertise and experience and financial and other support from the University, was successful to transform that polluted lake into a revived and user-friendly lake. The University has a plan to establish an aquaculture students and local community can have a free ride on the handy water vehicles in the lake and use the fresh and pollution-free water of the lake for various purposes.

Current view of the lake:



Previous view of lake:



Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-14. Below is a highlight of such contribution:

SL	Article Title
1.	Aquatic Microplastic Pollution Control Strategies: Sustainable Degradation Techniques, Resource Recovery, and Recommendations for Bangladesh
2.	Baseline marine litter abundance and distribution on Saint Martin Island, Bay of Bengal, Bangladesh
3.	An in-depth automated approach for fish disease recognition
4.	Marine Microbial-Derived Resource Exploration: Uncovering the Hidden Potential of Marine Carotenoids
5.	Co-management approach to sustainable management of marine protected areas: The case of Malaysia
6.	HYBRID-CNN: For Identification of Rohu Fish Disease
7.	STUDIES ON PHYSICOCHEMICAL PROPERTIES OF BURIGANGA RIVER WATER AND THE VEGETATION COVERAGE OF SURROUNDING AREA, DHAKA, BANGLADESH
8.	Assessment of Ecosystem Services, Plant Diversity Pattern, and Water Quality of an Urban Water Body in Dhaka, Bangladesh
9.	Studies on physicochemical properties of Buriganga river water and the vegetation coverage of surrounding area, Dhaka, Bangladesh
10.	STUDIES ON PHYSICOCHEMICAL PROPERTIES OF BURIGANGA RIVER WATER AND THE VEGETATION COVERAGE OF SURROUNDING AREA, DHAKA, BANGLADESH



SDG 15:

Sustainable Development Goal 15 (SDG 15 or Global Goal 15) is about "Life on land". One of the 17 Sustainable Development Goals established by the United Nations in 2015, the official wording is: "Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss".

DIU's Contributions and Progress:

Total campus Planted area	193530 m ²
Total tree planted on campus	5000+
Sustainably farming (vegetable) area on campus (Food)	20+ acres of land
Academic programmes on environmental ecosystem	3
Has a plastic reduction policy	Yes, implementing
Has SOP for hazardous waste handling and disposal	Yes, following
Follows water discharge guidelines	Yes, following

Project summary of Determining the Status of Diseases of Natural Rubber Plant in Bangladesh

Prof. Dr. Amin Uddin Mridha of DIU has been implementing a project with the support of Bangladesh Rubber Development Board on Determining the Status of Diseases of Natural Rubber Plant in Bangladesh. The project is contributing towards identification of new diseases of rubber plant leaves (SDG 15). The interim report primarily identified five isolates as Pestaliopsis, Neopestaleopsis and Pseudopestaleopsis fungi based on conidial characters. The main objective of the research project is to identify and determine the status of undiscovered diseases of natural rubber in Bangladesh so that further research can be undertaken to prevent those diseases.



Fig.2. Morphology of fungi on PDA plates after 7 days of incubation

DIU Faculty Participated Cross Sectoral Conference

HRDI of DIU participated in LCOY Bangladesh (Local Conference of Youth 2023) to host a session titled "Planet Protectors: Teamwork for a Greener World." Mr. Amir Hamza from HRDI, DIU led the session using interactive activities and games to address environmental romanticism, key factors contributing to climate change, and nature-based solutions. The session engaged 250 participants from various regions across Bangladesh.

LCOY serves as a worldwide initiative to educate and mobilize youth on environmental factors and climate change.



DIU-USAID PEER Partnership: Advancing Sustainable Forest Management Through Technology



The DIU-USAID PEER Project is at the forefront of sustainable forest management in Bangladesh, utilizing Unmanned Aerial Systems (UAS) for tree cover assessment and deforestation analysis. In a training and workshop program for the Department of Environmental Science and Disaster Management (ESDM) students, experts like Mr. Md. Jawadul Gani and Deputy Conservator of Forests, Md. Zaheer Iqbal, shared their insights. With the participation of esteemed guests, faculty, and students, this initiative aligns with the SDGs, contributing to responsible environmental stewardship and the preservation of Bangladesh's invaluable forests.

Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-15. Below is a highlight of such contribution:

SL	Article Title
1.	Identification of the ecosystem services and plant diversity in Ramna Park Dhaka
2.	STUDIES ON PHYSICOCHEMICAL PROPERTIES OF BURIGANGA RIVER WATER AND THE VEGETATION COVERAGE OF SURROUNDING AREA, DHAKA, BANGLADESH
3.	MONITORING LAND USE AND LAND COVER CHANGES OF DHAKA CITY: A REMOTE SENSING AND GIS-BASED ANALYSIS
4.	The impact of Jhum cultivation on hilly area (Rangamati, Khagrachari)

5.	The Role of Social Networks on building Awareness and social responsibility to achieve Environmental Sustainability in Bangladesh
6.	Citizen's Perception on Eco-friendly Lifestyle for Conserving Endangered Oriental White Stork and Crested Ibis Bird Species in Japan–Case Studies in Toyoka, Sado and Konosu Cities
7.	Aquatic Microplastic Pollution Control Strategies: Sustainable Degradation Techniques, Resource Recovery, and Recommendations for Bangladesh
8.	Asymmetric impacts of foreign direct investment inflows, financial development, and social globalization on environmental pollution
9.	Prospective Asian plants with corroborated antiviral potentials: Position standing in recent years
10.	Anxiolytic, antidepressant and antioxidant activity of the methanol extract of <i>Canarium resiniferum</i> leaves
11.	Traditional Machine Learning and Deep Learning Modeling for Legume Species Recognition
12.	Tomato flu in India: A new emerging viral disease
13.	An automated approach for eggplant disease recognition using transfer learning
14.	RoseNet: Rose leave dataset for the development of an automation system to recognize the diseases of rose
15.	Fostering Green Innovation Adoption through Green Dynamic Capability: The Moderating Role of Environmental Dynamism and Big Data Analytic Capability
16.	VegNet: An organized dataset of cauliflower disease for a sustainable agro-based automation system
17.	The role of environmental transformational leadership in employees' influencing organizational citizenship behavior for environment well-being: a survey data analysis
18.	Synthesis of Boron-Doped Zinc Oxide Nanosheets by Using <i>Phyllanthus Emblica</i> Leaf Extract: A Sustainable Environmental Applications
19.	A Multiwall Path-Loss Prediction Model Using 433 MHz LoRa-WAN Frequency to Characterize Foliage's Influence in a Malaysian Palm Oil Plantation Environment
20.	Impact of Industrially Affected Soil on Humans: A Soil-Human and Soil-Plant-Human Exposure Assessment
21.	Amelioration of salinity induced damage in plants by selenium application: A review
22.	<i>Drosophila melanogaster</i> as a Versatile Model for Studying Medically Important Insect Vector-Borne Parasites
23.	Leaf Functional Traits of Invasive Grasses Conferring High-Cadmium Adaptation Over Natives
24.	Does agricultural ecology cause environmental degradation? Empirical evidence from Bangladesh
25.	A comprehensive guava leaves and fruits dataset for guava disease recognition
26.	An extensive sunflower dataset representation for successful identification and classification of sunflower diseases
27.	Dynamic linkages between climatic variables and agriculture production in Malaysia: a generalized method of moments approach
28.	Green Extraction Techniques as Advanced Sample Preparation Approaches in Biological, Food, and Environmental Matrices: A Review
29.	The laws of attraction: Role of green human resources, culture and environmental performance in the hospitality sector
30.	CNS depressant activities of <i>Averrhoa carambola</i> leaves extract in thiopental-sodium model of Swiss albino mice: implication for neuro-modulatory properties

31.	An Explorative Analysis on the Machine-Vision-Based Disease Recognition of Three Available Fruits of Bangladesh
32.	Melatonin Rescues Photosynthesis and Triggers Antioxidant Defense Response in Cucumis sativus Plants Challenged by Low Temperature and High Humidity
33.	Chemical descriptors, PASS, molecular docking, molecular dynamics and ADMET predictions of glucopyranoside derivatives as inhibitors to bacteria and fungi growth
34.	An in-depth exploration of automated jackfruit disease recognition
35.	Analysis of Recognition Performance of Plant Leaf Diseases Based on Machine Vision Techniques
36.	A DNA functionalized advanced electrochemical biosensor for identification of the foodborne pathogen Salmonella enterica serovar Typhi in real samples
37.	Martian Craters Detection Using Neural Network Approach from Grayscale Satellite Imageries
38.	Sonication microwave synergistic extraction of bioactive compounds from plant source
39.	A Comparative Study on Road Surface State Assessment Using Transfer Learning Approach
40.	Local Rose Breeds Detection System Using Transfer Learning Techniques

Activities and Events:

Exploring Environmental Conservation: ESDM Students' Field Trip to Bhawal National Park



A group of Environmental Studies and Disaster Management (ESDM) students at Daffodil International University conducted an educational field visit to Bhawal National Park in Gazipur, Dhaka. Led by faculty members, the trip aimed to raise environmental awareness and promote sustainable practices. The visit focused on biodiversity, ecosystem preservation, and sustainable land management, aligning with SDG 15 (Life on Land). This hands-on experience enhanced the students' understanding of environmental conservation and disaster risk reduction while instilling a sense of responsibility for the environment.

Advancing Environmental Research: Dr. Mahfuza Parveen's Impactful Presentation at SnT2023

Dr. Mahfuza Parveen, an Associate Professor at Daffodil International University's Department of Environmental Science and Disaster Management, presented a significant paper titled "Integrating Comprehensive Nuclear-Test-Ban Treaty (CTBT) Data in Academic Research of Environmental Science and Disaster Management in Bangladesh" at the Science and Technology Conference 2023 (SnT2023) in Vienna, Austria. This event brought together experts, researchers, scientists, and academics to promote international collaboration and knowledge sharing. Dr. Parveen's presentation contributes to the field of Environmental Science and Disaster Management and aligns with UN Sustainable Development Goals, particularly Climate Action (SDG 13) and Partnerships for the Goals (SDG 17).

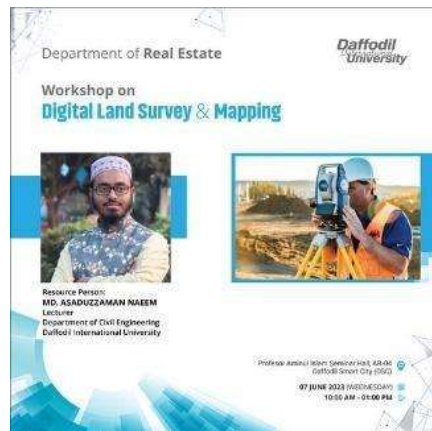


World Environment Day Celebration at Daffodil International University

On June 5th, the world observes World Environment Day, the Department of Environmental Science and Disaster Management at Daffodil International University, located in Daffodil Smart City, Savar, organized a series of events, including rallies, tree planting initiatives, and discussion sessions. These activities underscore the university's commitment to raising awareness and playing an active role in safeguarding the environment.



Advancing Land Survey and Mapping: DIU's Workshop on Digital Techniques



The Department of Real Estate at Daffodil International University is set to host an enlightening workshop on Digital Land Survey and Mapping. This event, scheduled for June 7, 2023, at the prestigious Professor Aminul Islam Seminar Hall in Daffodil Smart City, Savar, Dhaka, aims to explore the cutting-edge innovations in digital survey methodologies and mapping technologies.

By embracing these digital advancements, the department is aligning itself with Sustainable Development Goal 9 (Industry, Innovation, and Infrastructure) and contributing to more efficient and precise land management practices in line with global sustainability objectives.

Go Green: Cultivating Sustainability with DIU's Tourism and Hospitality Students

Daffodil International University's Department of Tourism and Hospitality Management organized the "Go Green" event on May 30, 2023, as part of their Sustainable Tourism course. Students from different batches participated under the guidance of Ms. Fairooze Waziha, their course instructor. The event focused on tree planting, introducing various tree species, and aligning with the United Nations' Sustainable Development Goals (SDGs) to promote environmental conservation and responsible tourism practices. This initiative represents a collective effort toward a greener and more sustainable world.



Sustainable Agriculture for Empowering Entrepreneurs

The "Daffodil Agro Project," located in Gozaria, Munshiganj, is a sustainable agricultural initiative managed by DIU's Department of Nutrition and Food Engineering and Department of Innovation and Entrepreneurship. It focuses on cultivating organic fruits sourced from the Germplasm Center of Bangladesh Agricultural University. The project provides DIU students with opportunities for practical research, low-cost organic food production, and marketing, aligning with the United Nations Sustainable Development Goals (SDGs) and fostering entrepreneurship skills.



SDG 16

Sustainable Development Goal 16 (SDG 16 or Global Goal 16) is one of the 17 Sustainable Development Goals established by the United Nations in 2015, the official wording is: "Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels".

DIU's Contributions and Progress:

Publication of Academic Journal: DIU Journal of Humanities and Social Sciences	1 issue
Elected representation on Governing Body	Ensured Faculty and Employee representation in the Governing body Director, Students Affairs represents students in the Governing body
Students Association (foreign)	Yes (2)
Engagement of local stakeholders	Yes
Anti-Bribery & corruption policy	Yes, following
Academic freedom	Yes
Outreach and education for upskilling & capacity building	Yes

Expert Advice/recommendation to Government

Recommendation to Government through National HR Summit

Daffodil International University organized the National HR summit in collaboration with a2i (Aspire to Innovate) and supported by the Dhaka Chamber of Commerce and Industry (DCCI) and the Bangladesh Society of Human Resources Management (BSHRM).

ICT secretary Md Shamsul Arefin was present as chief guest at the inaugural ceremony, while Mohd Monirul Islam, additional secretary, SDG affairs, Prime Minister's Office, Mohammad Nuruzzamn, CEO, Daffodil Family, Tapan Kanti Sarker, president CTO Forum, Mohammad Mashequr Rahman Khan, president Bangladesh Society for Human Resource Development Anir Chowdhury, policy adviser, Aspire to Innovate, were present as special guests.



Contribution to the Development of National Secondary Education



Collaboration with Government and Contribution to Export Industry

Dr. Md. Kamrul Hossain, Associate Professor of DIU, as a National Consultant collaborated with the Export Promotion Bureau under the Ministry of Commerce, Government of the People's Republic of Bangladesh for improving the capacity and capability of exporters of Bangladesh. He led a study on enhancing the capability of selected export-supporting organizations of Bangladesh compared to the similar ones of competing countries. He briefed the EPB and ministry of Commerce officials regarding the impact of the findings of the study and how those findings can be addressed better to improve the export performance of Bangladesh to achieve the national long term export target.



Outreach and education for upskilling & capacity building

Conducted Outreach Advanced Training on Mobile Documentary

Dr. Abdul Kabil Khan, Associate Professor of the Department of Journalism, Media and Communication, conducted the 'Advanced Training on Mobile Documentary' under the project 'Our Shared Cultural Heritage (OSCH)' in Rajshahi. At the two-day training session, the participants learnt about the fundamental aspects of mobile documentary, mind-mapping, video shooting, storyboarding editing and so on. A total number of 22 participants joined the training sessions.



CCD Bangladesh implemented this project with the support of the British Council and the partnership with the Varendra Research Museum and URONTO Artist Community.

The Hepatitis 'B' Virus or Liver Cirrhosis Immunization Program Arranged by DIU

One in every twelve people of the world are affected by Hepatitis 'B'. The Hepatitis 'B' Virus or Liver Cirrhosis Immunization Program was arranged by Social Business Students' Forum (SBSF) of DIU and managed by Family and Community Empowerment Support (FACES). This was organized as part of DIU's social responsibility with the motto of elimination of hepatitis B thinking about the health and safety of everyone including the students of the University. The three doses of the vaccine were given by arranging three camps between May to August 2022.



More than one thousand students, employees, faculty and local community people got Hepatitis 'B' vaccine under the program. There is a need to be fully aware of this virus and getting vaccinated against 'Hepatitis B' virus helps to protect ourselves and our surroundings, and our families

Participation in government research

Collaboration with Bangladesh Medical Research Council



The Public Health Department of DIU has been conducting a research project entitled "Health problems of University Students Due to Smartphone Addiction" in collaboration with Bangladesh Medical Research Council (BMRC) under HPNSP. Prof. Dr. Md. Shahjahan from the Public Health Department of DIU is leading the project to identify the health related problems resulting from excessive use of smartphones and how the problem can be solved.

DIU Faculty Contributed to the Major Medical Journals of Bangladesh



Prof. Dr. Md. Shahjahan, Department of Public Health Department of Daffodil International University contributed to the workshop on “Orientation of Editors and Reviewers of Four Major Medical Journals of Bangladesh ” as an expert in this field. He is also contributing to the DIU Journal of Allied Health Sciences.

Daffodil Youth Engagement and Support Club - DIU YES TIB Committee at DIU

Daffodil International University has a students' club namely: Daffodil Youth Engagement and Support Club - DIU YES. The YES group in universities is an initiative of the Transparency International Bangladesh (TIB). The motto of this group is to address contemporary social issues to help others and promote patriotism, democracy, good governance and anti-corruption values. A member of this group is to be an active volunteer, a member of a respected international organization, a leader in the community and a friend to people in need.

Link: <https://www.facebook.com/diuyesclub>

National Youth Conference 2023

DIU YES members participated in the “National Youth Conference 2023”, organized by Citizen's Platform for SDGs, Bangladesh in collaboration with Plan International Bangladesh, Transparency International Bangladesh, Actionaid, WaterAid, British Council, Manusher Jonno Foundation, Heks Eper, etc. The objective of the conference was to encourage youths to protest against all sorts of corruption and to develop a sustainable society for all.



DIU-YES Club Participated in the Inter-YES Debate Competition on Anti-corruption

An inter-YES Debate Competition on Anti-corruption was organized by the Youth Engagement and Support (YES) group. The DIU-YES Club also participated in the debate competition which was organized to create awareness among the youths of the country to campaign on anti-corruption concept.



Art of Living course at DIU

To address the problem of degradation of moral and ethical values, Daffodil International University (DIU) has introduced an “Art of Living” main course with an objective to bring positive changes in individuals. In order to apply this learning in a practical context, DIU organizes parents day in each semester where both parents and students share their experiences,



emotions and finally DIU found a huge impact on students’ study, academic performance, living style, practicing moral values, employability etc. It creates three-dimensional relationships (students, parents and teachers) and has growth potential with scalability as it helps to develop responsive and sustainable citizenship. Its contents include: Learning to Learn, Self Esteem, Psychological Support, Personal Behaviour, Parents, Life & Living, Mind Mapping, Style of Living & Mindfulness, Job Searching Techniques, Transforming Failure into Success, Impression Management, Ethical Living, Career Plan, Out of the Box thinking, etc. are unique and innovative inclusions into the curricula. The students can learn the best ethical and moral practices through their academic learning that helps them to become ethical and responsible citizens of the country. It also helps them to keep aloof from all types of militancy, drug addiction, terrorism, cyberbullying, ragging etc. The most important and unique outcome of this initiative is that the students can truly believe in family bondings that makes them responsive to the society and the country as a whole.

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and so on. A total number of 22 participants joined the training sessions.

CCD Bangladesh implemented this project with the support of the British Council and the partnership with the Varendra Research Museum and UROnto Artist Community.

Activities and Events:

Attended Freedom of the Press - Challenges in the Digital Age Seminar in Germany

The International Academy for Leadership (IAF) of the Friedrich Naumann Foundation, a renowned non-profit organisation selected Dr. Abdul Kabil Khan to participate in the international seminar on "Freedom of the Press - Challenges in the Digital Age" in Gummersbach, Germany from 30 April to 12 May 2023. Dr. Khan contributed with his expertise and collaboration with IAF.



More details:

<https://en.prothomalo.com/youth/education/imfuqpyxkb>



Collaboration with JCI Barishal (A Youth Association) on Journalism Fellowship

JCI Barishal and the Department of Journalism, Media and Communication, DIU, have recently signed a memorandum of understanding (MoU) in order to foster a journalism fellowship project titled 'Barishal Voices: Empowering Regional Journalism' in the coming days.

Empowering Future News Presenters: A Skill Development Workshop



HRDI (Human Resource Development Institute) recently organized a workshop titled "Get One Step Closer to Becoming a News Presenter" at Aminul Islam Conference Room, Daffodil Smart City (DSC). The workshop featured Ms. Tahsina Yasmin, a senior news presenter at SATV, who shared invaluable insights on building a successful career in news presentation.

Participants had the opportunity to enhance their vocal skills, receive specific feedback on news reading, and explore various presentation techniques. This event aligns with SDG 4 (Quality Education) by providing skill development opportunities to empower individuals in pursuing careers in news presentation, contributing to their personal

growth and the media industry.

Anger Management & Emotional Growth Workshop at DIU

Daffodil International University (DIU) and the Human Resource Development Institute (HRDI) collaborated to host a workshop on "Anger Management & Emotional Growth." Led by Assistant Professor Md. Ejaj-Ur-Rahaman, the event aimed to equip students with valuable anger management skills and promote emotional growth. It addressed the importance of emotional well-being, aligning with SDG 3 (Good Health and Well-being). The workshop, held on September 17, 2022, featured Md. Abu Tareque, a psychologist from DIU, and drew students from the Multimedia and Creative Technology department.



Unraveling World War II: A Comprehensive Exploration of Causes and Consequences



As part of the Erasmus+ faculty exchange program, Dr. Mihai Stelian Rusu, PhD, conducted a workshop on 'World War II: Causes & Consequences' at Daffodil International University. This event, held on February 14, 2023, demonstrated a commitment to international collaboration and knowledge-sharing. The workshop focused on the cultural and economic impacts of World War II, Cold War dynamics, and the post-World War II era in South Asia. It aligned with Sustainable Development Goals (SDGs) promoting quality education and global partnerships. Dr. Mihai provided insights into how the Second World War shaped global cultures and economies, as well as the political and ideological divide between the United States and the Soviet Union. The workshop fostered cross-cultural understanding and advanced knowledge on significant historical events.

WHEELS OF HOPE: A Collaborative Journey of Empathy and Education



Daffodil International University (DIU) and Lodz University of Technology (TUL), Poland, collaborated on the documentary film 'WHEELS OF HOPE,' premiered on March 3, 2023. Created by 16 DIU students under the guidance of Dr. Marta Miaskowska from TUL, the film highlights the challenging lives of rickshaw pullers in Dhaka, aligning with SDGs focused on reducing inequalities and promoting quality education. The premiere brought together academic dignitaries, students, and local audiences, emphasizing empathy and education's role in addressing social issues.

DIU Air Rover Scout Group Celebrates Scout Day with a Day-Long Camp



To celebrate Scout Day, the DIU Air Rover Scout Group organized a day-long camp at Daffodil Smart City and Fantasy Kingdom. This event aimed to enhance rover scouts' skills and leadership qualities through practical activities like cleanliness drives, hiking, first aid training, and team-building games. The camp promotes camaraderie and responsibility while contributing to various UN Sustainable Development Goals, including Quality Education, Good Health and

Well-Being, and Partnerships for the Goals. It serves as a platform for youth skill development, community engagement, and leadership.

Youth Engagement in Bangladesh's Human Rights Dialogue: A DLRC and ASK Initiative

Daffodil Legal Research Centre (DLRC) and Ain O Shalish Kendra (ASK) came together to organize a program titled "UPR and Bangladesh: Dialogue with Youths," which took place at Daffodil International University (DIU) on September 27, 2022. The dialogue was led by representatives of ASK and engaged around 30 students. The inaugural session featured notable speakers, including Abu Ahmed Fajjul Kabir, Senior Coordinator of Advocacy and Networking at ASK. Md. Riaduzzaman, Assistant Professor of Law, skillfully moderated the program. This initiative supports Sustainable Development Goals (SDGs) by fostering youth engagement in human rights dialogue and advocacy for a more equitable and just society.



Enhancing Safety Awareness: DIU Fire and Earthquake Drill Training



In pursuit of safety and preparedness for fire and earthquake incidents, Daffodil International University's Safety & Security Department conducted a comprehensive training program on October 20, 2022, at Daffodil Smart City, Ashulia, Dhaka. The training encompassed Fire Evacuation Drill Practice, Firefighting, Earthquake Response, First Aid, and Rescue Techniques. These proactive measures align with Sustainable Development Goals (SDGs) by prioritizing safety and disaster preparedness, ensuring a more resilient and secure future for all.



Strengthen the means of implementation and revitalize the global partnership for sustainable development

SDG 17

Sustainable Development Goal 17 is about "partnerships for the goals." One of the 17 Sustainable Development Goals established by the United Nations in 2015, the official wording is: "Strengthen the means of implementation and revitalize the global partnership for sustainable development".

Partnership for Implementing the Goals

DIU's Contributions and Progress:

Total Number of Partnership with local and foreign universities since inception	400+
Publications of Academic Journal: DIU Journal of Science & IT	2 Issues
Number of International Mega Event Organized	5
Participation in national & international Cross Sectoral Dialogues/Conferences	50+
Number of Educational Outreach Programs	15+
Number of academic courses related to sustainability	Around 250

Collaboration with NGO and International Organizations on data gathering for SDG

Collaboration with World Health Organization (WHO) for Data on Malaria under the 5th Malaria Joint Monitoring Mission (JMM-5) project

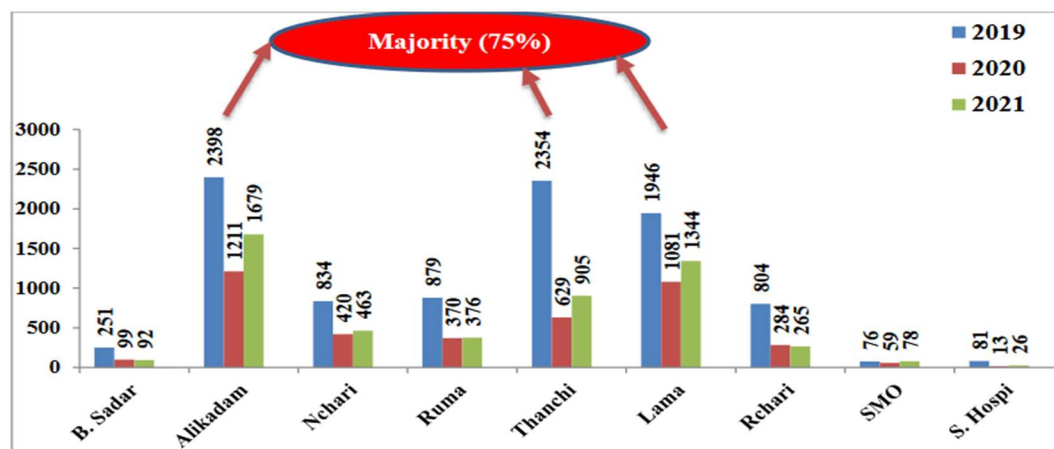


Figure-3: Bandarban Upazila-wise Case Distribution: 2019 – 2021

Under the collaboration between World Health Organization (WHO) and DIU, the Public Health Department of the university provided unbiased recommendations for the National Malaria Elimination efforts in the country. The DIU researchers contributed to the:

- analysis of existing program data, and relevant documents pertaining to health systems, private sector, other public sector organizations to provide relevant recommendations, based on their expertise local knowledge.
- expert technical inputs based on relevant local context to develop the checklists, and other technical documents during the preparatory phase of the JMM.
- field visits to Dhaka/Gazipur, Bandarban, Cox's Bazar, Rajshahi / Chapai Nawabganj, Sylhet etc. stakeholder meetings, dissemination meetings to support the national program and international experts in their technical and advocacy efforts.

8. drafting of the final JMM-5 report and include relevant implementable recommendations, based on their knowledge of the country context.

Adaptation Research Alliance (ARA), UKAid Project on Saving Mothers, Protecting the Womb

The "Saving Mothers, Protecting the Womb" is an innovative and unique action research project undertaken by Daffodil International University funded by Adaptation Research Alliance (ARA), UKAID. It addresses a critical issue at the intersection of climate change, public health, gender and technology, offering a holistic approach to improving the well-being of marginalized coastal pregnant women in Bangladesh. The project installs a low-cost solar panel rotator called 'SolarAchieve' that harnesses solar energy efficiently by combining gravity to produce safe, clean drinking water. The innovation lies in its simplicity and affordability, as users can assemble it using readily available local materials like wood or bamboo. The SolarAchieve is regarded as a low-cost, sustainable solution to the water salinity problem. This unique project recognizes the impact of climate change beyond environmental concerns and directly affects maternal health. Its outcomes and enhanced community resilience serves as indicators of the project's effectiveness.



DIU-USAID PEER Partnership: Advancing Sustainable Forest Management Through Technology



The DIU-USAID PEER Project is at the forefront of sustainable forest management in Bangladesh, utilizing Unmanned Aerial Systems (UAS) for tree cover assessment and deforestation analysis (data). In a training and workshop program for the Department of Environmental Science and Disaster Management (ESDM) students, experts like Mr. Md. Jawadul Gani and Deputy Conservator of Forests, Md. Zaheer Iqbal, shared their insights. With the participation of esteemed guests, faculty, and students, this initiative aligns with the SDGs, contributing to responsible environmental stewardship and the preservation of Bangladesh's

invaluable forests. The project worked on data analysis on deforestation

Collaboration with CDD, Bangladesh and CBM (Christian Blind Mission), Germany on Disability

The study on scope of work and strategies on disability inclusive climate change adaptation was undertaken in collaboration with CDD, Bangladesh and CBM (Christian Blind Mission), Germany to identify the gaps of inclusion of persons with disabilities in adaptation measures to climate change and find out further scope of work and operational strategies in the Sundarban adjacent coastal areas on Disability Inclusive climate change adaptation through CDDiDRM & CCA project in Sharankhola, Bagerhat. The study showed that climate change is amplifying the risks and exclusion systematically that persons with disabilities already experience in their daily lives. Additionally, climate change is introducing new risks and creating new barriers like securing livelihoods and ensuring household food security.



On the basis of the findings, persons with disabilities present a call to action to all agencies and organizations working on climate-related policy and programming in Bangladesh. Crucially, disability-inclusive climate action needs to better address existing and emerging risks and respond to the differential impacts of climate change on persons with disabilities. Disability inclusive climate action can only be achieved by ensuring the meaningful participation of persons with disabilities in climate preparedness, adaptation, and mitigation.

Mitigating Educational Losses: A Collaborative Research Initiative with Universitas Airlangga, Indonesia

Daffodil International University in Bangladesh and Universitas Airlangga in Indonesia have collaborated on a research project to assess and mitigate educational losses caused by the COVID-19 pandemic. Led by Professor Dr. Syed Mizanur Rahman, the project focuses on Nawaz Ali Ideal High School in Dhaka. It aligns with UN Sustainable Development Goals, particularly SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals). The goal is to address educational deficits in Bangladesh and develop methodologies applicable globally through the World University Association for Community Development (WUACD), ensuring inclusive and equitable education, even in challenging circumstances.



Baseline Study on Resilience strengthening of vulnerable population in northern, western and eastern Bangladesh

A baseline Study on Resilience strengthening of vulnerable population in northern, western and eastern Bangladesh through a network approach of 5 partner organizations was conducted by a team of researchers from Daffodil International University, supported by PHALS (Programme for Helpless and Lagged Societies), Bangladesh and Malteser International, Germany. This baseline study (comprehensive survey and qualitative data collection) was

conducted in Khuruskul and Chowfaldandi unions under Sadar Upazila, Cox's Bazar district, Bangladesh. This baseline study shed light on the significant challenges faced by the poor and marginalized communities in Khuruskul and Chawfaldandi unions of Cox's Bazar. The study emphasized the urgent need for targeted interventions addressing climate change awareness, livelihood diversification, market development, women's empowerment, climate-resilient infrastructure, and improved access to social safety net programs. By implementing evidence-based strategies and interventions, the project can enhance the participants' socio-economic conditions, foster resilience to climate development in the region.



Students across the University are being integrated with Global Goals- SDGs



Sustainability related academic courses at DIU

Courses/modules related to environment and sustainability		
Sl.	Courses/modules	Department
1	Introduction to Environmental Science and Disaster Management	Environmental Science and Disaster Management
2	Geography and Environment	
3	Environmental Biology	
4	Environmental Biology lab	
5	Soil and Environment	
6	Environmental Economics	
7	Bangladesh: Physical Environment	
8	Fundamentals of Ecology	
9	Introduction to Geographic Information System	
10	Introduction to Geographic Information System Lab	
11	Environmental Engineering	
12	Environmental Chemistry	
13	Environmental Chemistry with Lab	
14	Environmental Resource Management	
15	Statistics for Environmental Sciences	
16	Forest and Wildlife Management	
17	Environmental Hazard and Disaster Management	
18	Fundamentals of Earth Sciences	
19	Remote Sensing and GIS	
20	Remote Sensing and GIS Lab	
21	Fundamentals of Hydrosphere	

22	Climatic Disaster Management		
23	Environmental Pollution and Management		
24	Database System Concepts		
25	Database System Concepts Lab		
26	Water Resources Planning & Management		
27	Coastal & Marine Environmental Management		
28	Biodiversity Conservation		
29	Remote Sensing for Resource Appraisal		
30	Remote Sensing for Resource Appraisal Lab		
31	Urban Environmental Issues & Planning		
32	Environmental Impact Assessment		
33	Environmental Monitoring and Auditing		
34	Research Method (Project Design)		
35	Urban Waste and Effluent Management		
36	Environmental Modeling		
37	Seminar (Pre-approved Topic)		
38	Public Health and Environment		
39	Gender and Environment		
40	Environmental Laws and Ethics		
41	Instrumental Methods for Environmental Analysis		
42	Landscape Simulation and Perception		
43	Project and Seminar		
44	Introductory Agriculture and Principles of Agronomy		Agriculture Science

45	Introductory Agriculture and Principles of Agronomy Practical	
46	Farm Power and Machinery	
47	Farm Power and Machinery Practical	
48	Fundamentals of Agricultural Economics	
49	General Biochemistry	
50	General Biochemistry Practical	
51	Principles of Agroforestry	
52	Principles of Agroforestry Practical	
53	Fundamentals of Horticulture	
54	Fundamentals of Horticulture Practical	
55	Fertilizers, Agro Chemicals and Environmental Chemistry	
56	Fertilizers, Agro Chemicals and Environmental Chemistry Practical	
57	Fundamentals of Agricultural Extension Education	
58	Principles of Weed Science	
59	Principles of Weed Science Practical	
60	Introductory Soil Science	
61	Introductory Soil Science Practical	
62	Fundamentals of Plant Pathology	
63	Fundamentals of Plant Pathology Practical	
64	Fundamentals of Agribusiness	
65	Principles of Genetics and Cytogenetics	
66	Principles of Genetics and Cytogenetics Practical	
67	Fundamentals of Entomology	

68	Fundamentals of Entomology Practical	
69	Cropping System and Crop Farm Management	
70	Cropping System and Crop Farm Management Practical	
71	Soil Physics and Soil Chemistry	
72	Soil Physics and Soil Chemistry Practical	
73	Plant Morphology and Taxonomy	
74	Plant Morphology and Taxonomy Practical	
75	Principles of Seed Science and Technology	
76	Principles of Seed Science and Technology Practical	
77	Diseases of Field Crops and Horticultural Crops and Their Management	
78	Diseases of Field Crops and Horticultural Crops and Their Management Practical	
79	Crop Physiology and Ecology	
80	Crop Physiology and Ecology Practical	
81	Insect Ecology and Economic Entomology	
82	Insect Ecology and Economic Entomology Practical	
83	Principles of Plant Breeding	
84	Principles of Plant Breeding Practical	
85	Principles of field crops	
86	Principles of field crops Practical	
87	Vegetables and Spices Crops	
88	Vegetables and Spices Crops Practical	
89	Soil Survey, Classification and Conservation	

90	Soil Survey, Classification and Conservation Practical
91	Crop Pests and Pest Management
92	Crop Pests and Pests Management Practical
93	Metabolism and Human Nutrition
94	Metabolism and Human Nutrition Practical
95	Ornamental Horticulture and Plantation Crops
96	Ornamental Horticulture and Plantation Crops Practical
97	Soil Microbiology and Fertility
98	Soil Microbiology and Fertility Practical
99	Fruit Crops
100	Fruit Crops Practical
101	Introductory Environmental Science
102	Introductory Environmental Science Practical
103	Plant Biotechnology and Genetic Engineering
104	Plant Biotechnology and Genetic Engineering Practical
105	Bioenergy-Principles and Practices
106	Bioenergy-Principles and Practices Practical
107	Extension Teaching Methods and Aids Practical
108	Extension Communication and Group Approaches
109	Extension Program planning and Data Processing Practical
110	Agro-industrial Chemistry
111	Agro-industrial Chemistry Practical
112	Extension Organization and management

113	Post-Harvest Management of Horticultural Crops	
114	Post-Harvest Management of Horticultural Crops Practical	
115	Animal Science and Fisheries	
116	Animal Science and Fisheries Practical	
117		
118	Basic Microbiology	Public Health (Bachelor)
119	Health Education	
120	Environmental & Occupational Health	
121	Community Health	
122	Health Policy and Planning	
123	Public Health Nutrition	
124	Fundamental of Sociology & Sports Sociology	Physical Education and Sports Science
125	Sports Nutrition	
126	Corrective Physical Education & Rehabilitation	
127	Development Theories, Strategies and Issues	Development Studies
128	Poverty Alleviation and Development	
129	Gender and Development	
130	Governance and Development	
131	Sustainable Development	
132	Research Methodology	
133	Basic Statistics for Development	
134	Project Management	
135	Natural Resource Management	
136	Development Evaluation and Management	
137	Rural Development	

138	Introduction to Food Science and Technology	Nutrition and Food Engineering
139	Physical, Inorganic and Analytic Chemistry	
140	Methods for Nutritional Status	
141	Statistics and Probabilities	
142	Dietetics	
143	Food Microbiology	
144	Fruits and Vegetable Technology	
145	Clinical Nutrition	
146	Nutrition in Health and Disease	
147	Water and Beverage Technology	
148	Nutritional Planning	
149	Environmental Food Technology	
150	Food Preservation and Engineering	
151	Sensory Evaluation	
152	Food Storage Engineering	
153	Organic Pharmacy	Pharmacy
154	Biochemistry and Molecular Biology	
155	Bangladesh Studies	
156	Statistics and Probability	Computer Science & Engineering
157	Art of Effective Living	
158	Project Management	Multimedia and Creative Technology
159	Business Statistics	Business Administration
160	Organizational Behavior	

161	Legal Environment in Business	
162	Entrepreneurship Development	
163	Research Methodology	
164	Bangladesh Studies: Socio-Economic Perspective	
165	Art of Living	
166	Environmental Science and Business Management	
167	Economic Geography	
168	Projects Appraisals and Management	
169	Agricultural Marketing	
170	Disaster Management	
171	Entrepreneurship	Innovation and Entrepreneurship
172	Art of Living	Real Estate
173	Environmental Issues in Real Estate	
174	Geographical Information System in Real Estate	
175	Urban Land Use and Development	
176	Urbanization & Regional Development	
177	Research Project in Real Estate	
178	Sustainable Land Use Planning and Management	
179	Public Land and Natural Resources Laws	
180	Geographical Information System	Tourism and Hospitality Management
181	Entrepreneurship	
182	Sustainable Tourism	
183	Tourism Impact and Sustainability	

184	Bangladesh: Land and Culture	Journalism and Mass Communication
185	Art of Living	
186	Communication Research Methodology	
187	Statistics for Social Research	
188	Health and Population Communication	
189	Legal Research Methodology	Law
190	Art of Living	
191	Environmental Law	
192	Renewable Energy Technology	Electronics & Telecommunication Engineering
193	Radar and Navigation	
194	Statistics and Probability	
195	Environmental Mgt. in Textile & Allied Industries	Textile Engineering
196	Climate Responsive Architecture	Architecture
197	Ecology	
198	Green Architecture and Sustainable Development	
199	Luminous Environment in Architecture	
200	Water Management in Buildings	
201	Sustainable Architecture	
202	Sonic Environment in Architecture	
203	Environmental Design and Disaster Studies	
204	Architectural & Urban Conservation	
205	Research Methodology	
206	Geology and Earthquake Engineering	Civil Engineering
207	Environmental Engineering	
208	Environmental Engineering Lab	
209	Water Resource Engineering	

210	Water Resource Engineering Lab	
211	Climate Change and Sustainable Development	
212	Biostatistics	Public Health
213	Research Methodology	
214	Occupational and Environment Health	
215	Environment Health Toxicology	
216	environmental policies, strategies, Regulation and occupational Environmental & Disease	
217	Introduction to statistics	Information Technology & Management
218	Art of Living	
219	Bangladesh Studies	
220	History of the Emergence of Bangladesh	
221	Bangla Language and Literature	
222	Structured Programming	
223	HCI and User Experience	
224	Object Oriented Concepts	
225	Database management system	
226	Website Application Development	
227	Data communication and computer networking	
228	Mobile and Web Security	
229	Software Quality Assurance and Testing	
230	Open Source Software System	
231	Principles of Management	
232	Business Communication	
233	Legal Environment in Business	

234	Human Resource Management		
235	Organizational Behavior		
236	Research Methodology		
237	E-commerce and E-Business		
238	Principles of Cyber security		
239	Digital Forensics		
240	Enterprise resource planning system		
241	Training and Development		
242	Compensation Theory and Administration		
243	Economics		CIS
244	Agile Development		
245	Bangladesh Studies		
246	Industrial Management		
247	Employability 360		
248	Project Management Essentials		

Collaboration with Sorolota Foundation (NGO) for Gyaner Pathshala

Gyaner Pathshala, mainly deals with ensuring the education for disadvantaged children of the society. Daffodil International University always stands by the initiative of Gyaner Pathshala as part of its academic social responsibility. This new branch of Gyaner Pathshala is located at Bagerhat in collaboration with the NGO Sorolota Foundation.



Gyaner Pathshala also organized fruits festival with the local fruits for the disadvantaged children of the society.



Contributions Towards SDGs

HRDI, DIU and BITM signed MoU for introducing several Skill Development Programs jointly for the enhancement of real need-based skills of the youths.

Mobile Storytelling Workshop with UNDP Project Managers



Research Collaboration with UiTM, Malaysia

Under an agreement, researchers from DIU's Faculty of Business Entrepreneurship and UiTM's Accounting Research Institute will collaborate on five research projects, with funding provided by both universities.

- Waqf in Enhancing Sustainable Development Goals (SDGs) in Malaysia & Bangladesh
- Mitigation of Money Laundering Risk: A Maqāṣid Al-Sharī'ah Perspective
- An Application of Text Mining on the Nexus Between Climate Change Risk and Earnings Management
- The Influence of Information Digitalisation and Globalisation in Improving the Quality of Governance: An Analysis of Asia
- Online purchasing risk among Gen Z. Does digital literacy mitigate?



Partnership with Creative IT Institute

The HRDI of DIU has had a partnership with Creative IT Institute to embark on a transformative journey that blends cutting-edge technology with education, promising groundbreaking opportunities for students and beyond. The partnership strives to the synergy between IT and education.



Policy Advocacy and Collaboration with Government and private sector:

National HR Summit at DIU



Daffodil International University organized the National HR summit in collaboration with a2i (Aspire to Innovate) and supported by the Dhaka Chamber of Commerce and Industry (DCCI) and the Bangladesh Society of Human Resources Management (BSHRM). ICT secretary Md Shamsul Arefin was present as chief guest at the inaugural ceremony, while Mohd Monirul Islam, additional secretary, SDG affairs, Prime Minister’s Office, Mohammad Nuruzzamn, CEO, Daffodil Family, Tapan Kanti Sarker, president CTO Forum, Mohammad Mashequr Rahman Khan, president Bangladesh Society for

Human Resource Development Anir Chowdhury, policy adviser, Aspire to Innovate, were present as special guests. Faculty, students, high officials along with HR professionals of various universities and business organizations attended the summit.

Establishment of a \$10 million crowdfund for Startup & Entrepreneurship

Dr. Md. Sabur Khan, made a groundbreaking announcement during the **Daffodil Alumni Australia Reunion**, declaring the establishment of a \$10 million crowdfund with the contribution of Daffodil Alumni Worldwide dedicated to the welfare, job placement, and entrepreneurship development of Non-Resident Daffodil Alumni worldwide.



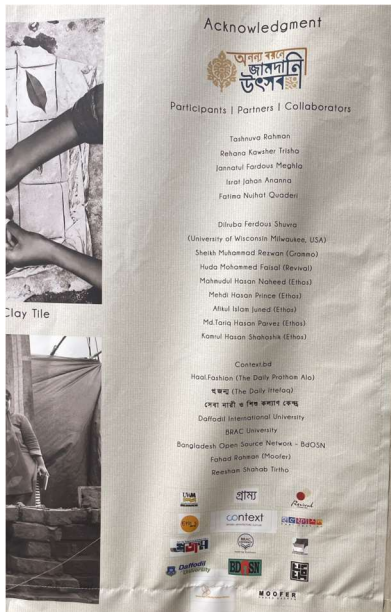
Outreach community Programs:



The students of the Department of Innovation and Entrepreneurship and officials of Daffodil Institute of Social Sciences (DISS) took part in a community outreach program at Chandpur district of Bangladesh to identify rural entrepreneurship and their challenges. The objective of the survey was to provide necessary guidance, mentoring, financial support etc. to the identified entrepreneurs who are facing challenges to sustain their ventures.



Community Outreach program for 10-days Field School



The Department of Architecture, DIU collaborated with several partners in organizing the first field school in Bangladesh at Sonargaon Dhaka from July 10-19, 2023. This Field School is designed to offer an immersive learning experience in documenting a local community's-built environment and cultural landscapes, learning how to write the local history of people and places “from the ground up” and learning from material through hands-on activities and to showcase works done in the field school on national and international platforms. Ph.D. candidates from the University of Wisconsin, USA, Architect Dilruba Ferdous Shuvra, Fashion Designer Chandra Shekhar Saha, several architects, artist Niaz Morshed, etc. attended this school. Sheikh Muhammad Rezwan, Assistant professor, DIU due to his expertise in conducting residential workshops in the rural environment was a co-partner of this event. Their works were displayed on 19th July 2023 at Shilpakala Academy.

Conducted Outreach Advanced Training on Mobile Documentary



Dr. Abdul Kabil Khan, Associate Professor of the Department of Journalism, Media and Communication, conducted the 'Advanced Training on Mobile Documentary' under the project 'Our Shared Cultural Heritage (OSCH)' in Rajshahi. At the two-day training session, the participants learnt about the fundamental aspects of mobile documentary, mind-mapping, video shooting, storyboarding editing and so on. A total number of 22 participants joined the training sessions. CCD Bangladesh implemented this project with the support of the British Council and the partnership with the Varendra Research Museum and URONTO Artist Community.

support of the British Council and the partnership with the Varendra Research Museum and URONTO Artist Community.

Attended Cross sectoral Conference

HRDI of DIU participated in LCOY Bangladesh (Local Conference of Youth 2023) to host a session titled "Planet Protectors: Teamwork for a Greener World." Mr. Amir Hamza from HRDI, DIU led the session using interactive activities and games to address environmental romanticism, key factors contributing to climate change, and nature-based solutions. The session engaged 250 participants from various regions across Bangladesh.

LCOY serves as a worldwide initiative to educate and mobilize youth on environmental factors and climate change.



DIU Chairman Addresses IAUP Meeting on Transforming Global Higher Education

Dr. Md. Sabur Khan, Founder & Chairman of Daffodil International University and President of the Association of Universities of Asia and the Pacific (AUAP), delivered a keynote at the IAUP Semi-Annual Meeting in Cairo, Egypt, discussing the transformation of global higher education. He emphasized the importance of enhancing learning quality, fostering innovation, and promoting inclusivity to adapt to evolving educational landscapes and meet the changing needs of students. His insights provide a roadmap for universities to succeed in a changing world while aligning with the Sustainable Development Goals (SDGs).



DIU Chairman Shares Insights at Uni20 Event on International Collaboration



Dr. Md. Sabur Khan, Chairman of Daffodil International University's Board of Trustees, participated in the Uni20 event within the G20 series, joining education leaders and entrepreneurs from 46 nations in Pune, Maharashtra. He discussed international collaboration in education and shared insights from Symbiosis International University, emphasizing entrepreneurship, student engagement, and a nature-driven approach. Dr. Khan aims to apply these learnings at DIU and leverage best practices through inter-university cooperation. This event aligns with UN Sustainable Development Goals, including Quality Education, Partnerships for the Goals, and Decent Work and Economic Growth, contributing to global efforts to enhance education quality and promote sustainable economic growth.

Participated in the Cross-sectoral 29th international Conference AMIC 2023 in Bandung, Indonesia

Dr. Kabil Khan, Associate Professor of DIU presented a paper on “Practices and Emerging Trends of Mobile Journalism in Bangladesh: A Case Study of Bangladesh Times” in the Cross-sectoral 29th international Conference AMIC 2023 in Bandung, Indonesia.



Dr. Md. Sabur Khan: Charting a Sustainable Educational Future as AUAP President



In a momentous achievement, Dr. Md. Sabur Khan, the Founder & Chairman of Daffodil International University has been elected as the new President of the Association of the Universities of Asia and the Pacific (AUAP) for the tenure of 2023 and 2024. This appointment follows his dedicated service as the First Vice President of AUAP for the years 2021 and 2022. Dr. Khan's leadership embodies a commitment to Sustainable Development Goals (SDGs) as he vows to elevate AUAP initiatives, enhance membership engagement, and bolster transparency in activities. His unwavering focus on uplifting students and strengthening the capacity of educators reaffirms the organization's dedication to

advancing education and fostering a brighter, more sustainable future across the Asia-Pacific region.

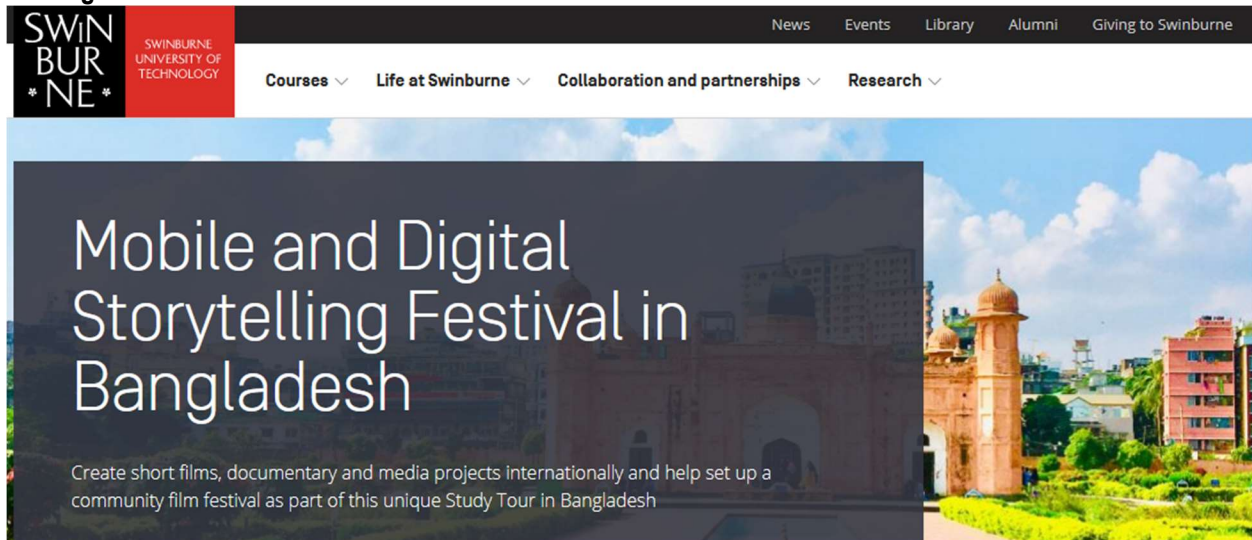
Collaboration with Ministry of Information and Broadcasting, Government of Bangladesh



NUBTK-DIU Partnership Project: Professional Journalism Skills Development Program



Collaboration with Swinburne University of Technology for organizing Mobile and Digital Storytelling Festival in Bangladesh



The Community Digital Storytelling Festival is a powerful and dynamic event that brings together young and aspiring storytellers to share their voices with the world. It gives them an opportunity to promote creativity, innovation and collaboration among storytellers: ‘real stories by real people’. This time, the Swinburne University of Technology is collaborating with Daffodil International University to organize the festival in Bangladesh.

Conducted Community Digital Storytelling workshop at Islamic University

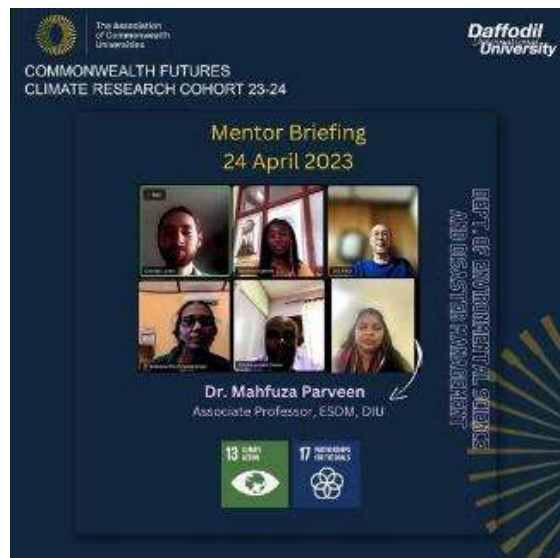
A workshop on 'Community Digital Storytelling' was recently held at Islamic University (IU), Kushtia, in collaboration with the Department of Journalism, Media and Communication, Daffodil International University (DIU). Dr Md Abdul Kabil Khan, Associate Professor at the Department of Journalism, Media and Communication from Daffodil International University was the keynote speaker.



Mobile journalism workshop at PIB with journalists of Gopalganj District



Dr. Mahfuza Parveen Joins Commonwealth Futures Climate Research Cohort as Mentor



Dr. Mahfuza Parveen, an Associate Professor in DIU's Department of Environmental Science and Disaster Management (ESDM), has been appointed as a mentor in the Commonwealth Futures Climate Research Cohort 23-24. This program, aligned with SDG 13 (Climate Action), focuses on early career researcher development, climate action, and research co-creation. Dr. Parveen will guide and support fellows throughout a 12-month training program, facilitating climate research collaboration and networking. Her role as a mentor highlights her commitment to climate research and nurturing the next generation of climate researchers, contributing to climate action and sustainable development. Congratulations to Dr. Parveen on this prestigious appointment. SDG 6, 7, 13

DIU Academic Collaboration for a Sustainable Future



Daffodil International University (DIU) signed MoUs with Bharatiya Engineering Science and Technology Innovation University, India, Techno India University, Nalanda University and others for partnership on joint mobility programs, IT resource development, research collaboration, doctoral degree collaboration, and more.

Belt and Road Research Centre Inaugurated DIU's Undergraduate Research Program



Daffodil International University's Belt and Road Research Centre celebrated the launch of its first Undergraduate Research Program (URP) at the Prof. Dr. Aminul Islam Seminar Hall in Ashulia. The URP aims to spark research enthusiasm and decision-making skills among students, fostering academic excellence in alignment with the United Nations Sustainable Development Goals (SDGs). Dr. AKM Mohsin, Head of the Department of Business Studies and Deputy Director of DIU Belt and Road Research Centre, played a pivotal role in launching this program.

Global Cross-Cultural Engagement at DIU: A Visit from Lithuania



Two exchange faculty members, Dr. Gražina Čiuladienė and Dr. Miglė Eleonora Černikovaitė from Mykolas Romeris University, Lithuania, visited DIU in Bangladesh as part of the EU's Erasmus+ grant program.

During their stay, they not only taught but also immersed themselves in Bengali culture by wearing traditional Sarees and embracing local customs. DIU's commitment to international exchanges and cultural understanding aligns with the United Nations Sustainable Development Goals (SDGs) for global cooperation and education.

Cross-Cultural Enrichment: DIU's Faculty & Student Exchange Program at Assam downtown University 2022

A delegation of students and faculty from DIU's Department of Computer Science and Engineering participated in a week-long Faculty & Student Exchange Program at Assam Downtown University in India. The program included academic exchanges, cultural interactions, and research activities, fostering cross-cultural understanding and promoting global learning experiences.



15th AUAP General Conference: Forging Global Academic Partnerships for SDG-Aligned Futures

Daffodil International University hosted the 15th General Conference of the Association of the Universities of Asia and the Pacific (AUAP). The event, attended by representatives from around 30 universities, saw the signing of over 100 Memorandums of Understanding (MoUs) focusing on student and faculty exchange, joint academic and research program development, and course sharing. These agreements strengthen

academic ties among institutions across ten nations and align with Sustainable Development Goals (SDGs) by promoting international cooperation in education and research for a more sustainable world.