

SDG AT AIUB

American International University-Bangladesh (AIUB) is committed to achieve the United Nations 17 Sustainable Development Goals through different initiatives. These reports outline year-long different activities, such as research & publications, enhancing social inclusion, encouraging environmental sustainability, partnerships, good governance, and diversity among students and employees as well as its associated mapping to different SDGs.



American International University-Bangladesh (AIUB)

SDG Activity Report - 2022

SDG 1: No Poverty



**End Poverty
in All its
Forms
Everywhere**

AIUB SDG Activity Report 2022 | [SDG 1: No Poverty](#)

American International University-Bangladesh (AIUB) stands as a beacon of hope and positive change in its unwavering commitment towards Sustainable Development Goal 1: No Poverty. Through a myriad of university activities and impactful faculty research, AIUB is actively contributing to the alleviation of poverty and the promotion of economic empowerment.

The university's initiatives are not only focused on academic excellence but also on creating tangible socio-economic impacts. The Certification Program on Women Entrepreneurship, inaugurated with zeal, exemplifies AIUB's dedication to fostering economic independence among women. This initiative aligns with the broader goal of breaking the cycle of poverty by empowering a significant segment of the population. Similarly, the FBA Business Plan Exhibition for Fall 2022-23 showcases the university's commitment to nurturing entrepreneurial spirit, which is essential for creating economic opportunities and reducing poverty.

AIUB goes beyond traditional academic boundaries with activities like the "Webinar on Computer Science Career- What is Next?" This event not only prepares students for the dynamic field of computer science but also emphasizes the potential for career paths that can contribute to economic growth. The university's focus on real-world exposure is evident in the visit by MMC students to the Resettlement area of Kumarabhog, Mawa. This hands-on experience fosters empathy and understanding, laying the foundation for socially responsible citizens who can actively engage in poverty alleviation efforts.

The AIUB Social Welfare Club, known as "Shomoy," is a driving force for positive change. The "Standing with the Flood-Affected 2022" initiative showcases the university's social responsibility. By actively participating in relief efforts during natural disasters, AIUB demonstrates a holistic approach to addressing poverty, not only through education but through direct community engagement and support.

On the faculty front, AIUB's commitment to research and publication further amplifies its impact on SDG 1. Research papers like "Economic Power Dispatch Solutions Incorporating Stochastic Wind Power Generators by Moth Flow Optimizer" reflect the university's dedication to exploring innovative solutions that can contribute to sustainable economic development. The paper on "COVID-19 and Sustainable Development Goals: Bangladesh Perspective" reflects a timely and relevant examination of the intersection between a global pandemic and long-term sustainable development.

Moreover, faculty research extends to understanding ground-level impacts, as seen in the study on the "Impact of monthly repayment system on the household income and food expenditure of the rural women borrowers: Evidence from Bangladesh." This research not only contributes to academic discourse but also provides valuable insights that can inform policies aimed at improving the economic conditions of rural communities.

In conclusion, AIUB's proactive initiatives and research endeavors underscore its commitment to addressing SDG 1: No Poverty. By combining academic excellence with hands-on experiences, community engagement, and cutting-edge research, AIUB is shaping future leaders who are not only equipped with knowledge but are also actively contributing to the socio-economic transformation of communities. The university's positive impact extends beyond the campus, creating a ripple effect that aligns with the global goal of eradicating poverty and fostering sustainable economic development.

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University Activities

Certification Program on Women Entrepreneurship inaugurated

The Faculty of Business Administration (FBA), American international University-Bangladesh (AIUB), and the City Alo have agreed to collaborate to develop and deliver specifically tailored entrepreneurship courses for women to encourage them for the economic and social development of the country. The inauguration ceremony of the City Alo and AIUB's Certification Course was held on 17 December 2022 at 10:00 am in the Institute of Continuing Education (ICE) of AIUB. The City Alo Certification Course aims to improve the financial literacy of Bangladeshi women so they may better serve their end users both economically and socially. 22 women entrepreneurs registered in the first batch of the certification course are enthusiastic and eager to learn about the various concepts of business. The course will be conducted during weekends (Friday and Saturday) for three hours each day with the duration of one month.

The inauguration ceremony started with the welcome speech of Ms. Nasrin Akter, Head of City Alo-Women Banking. Dr. Khondaker Sazzadul Karim, Head, Department of Marketing and Tourism and Hospitality Management introduced the participants during his speech. The program ended with the vote of thanks by Soumendra Sankar Das, Associate Professor, Marketing Department. Ms. Samia Shabnaz, Senior Assistant Professor, Management Department, along with Md. Tuhinur Alam, Unit Head, City Alo enterprise and his team were also present at the ceremony.



FBA Business Plan Exhibition Fall 2022-23

The "Business Plan Exhibition Fall 2022-23" was held in the Annex 2, Level 2, (Lobby) from 2:00 pm to 4:00 pm, Tuesday, 13th December 2022. Prof. Dr. Tazul Islam, Dean, Faculty of Arts and Social sciences inaugurated the exhibition for visitors to observe the business ideas generated by the students of Entrepreneurship Development Course. The respected guests Prof Dr. Nisar Ahmed, Treasurer, Dr. Mohammad Faridul Alam, Head, Department of Accounting along with other faculty members of the department were present during the exhibition.

Since 2011, the Department of Management, Faculty of Business Administration established a tradition of conducting business exhibitions each semester using the chosen feasible, innovative business ideas created by final year student groups of the Entrepreneurship Development course. The event's goal is to provide students with a forum where they may present their innovative business ideas to academic experts to receive feedback for future enhancement and actualization of their ideas. Additionally, it enhances students' analytical and problem-solving abilities and cultivates their sense of social responsibility.

The students prepared feasible, innovative business plan and displayed them in form of a poster or model to present their ideas to the respected faculty members who visited the exhibition and evaluated the business plans. The presentation skill and nicely crafted posters and models of the projects were highly appreciated by the spectators. The exhibition was only possible because of the spontaneous hard work of the respective teachers and students along with the support provided from AIUB Management. After the exhibition, the best projects were selected by the academic and awarded with certificates.

Samia Shabnaz, Senior Assistant Professor, Management Department and Dr. Mohammad Rafiqul Islam Talukdar, Professor, Management Department coordinated the event. The exhibition remained open for all till 2:00 pm on that day.



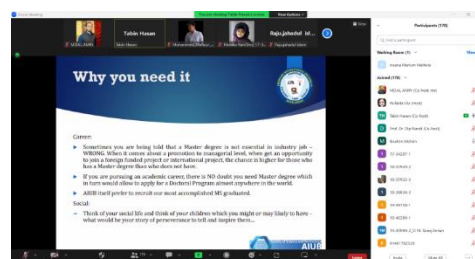
Webinar “Computer Science Career- What is Next?”

On Saturday (December 3, 2022), a webinar titled “Computer Science Career- What is Next?” was held via the online platform Zoom organized by the Department of Computer Science. The webinar was moderated by the Director of Faculty of Science & Technology, Prof. Dr. Dip Nandi. The webinar aimed to discuss the various career paths for CS Graduates while considering the current and probable future demands of industry and academia. The correlation status of CS curriculum (Both Undergraduate and Graduate) with industry and academia were highlighted & the need for relevant higher form of degrees (e.g., Master’s) and certification courses in future career were distinguished. Faculty members of the CS department & around 200 final semester students (Registered Internship Students of Fall 2022-2023) were present in the webinar. Through the participation and enlightenment of distinguished speakers, various relevant career paths for CS graduates have been explored.

Prof. Dr. Khandaker Tabin Hasan, Head of Graduate Program, CS shared his valuable opinions on the webinar highlighting the career needs & about the future planning a fresh CS graduate should have. He stated about the excellent MScCS program of AIUB and the various specialization it offers and also enlightened on its relevance in today’s world. Through his speech the students got the answer to the critical question - "Why is a relevant master’s degree required and how it can help someone to achieve career goals?" Notable MScCS graduates and alumni were mentioned in his speech who are in the leading positions in their current fields.

Rofaida Kurshid Lita on behalf of Md. Manirul Islam, Associate Professor, CS and Director, Institute of Continuing Education (ICE) introduced the students to the AIUB Institute of Continuing Education, a top leading center for excellence in the South Asia region and the world class certification courses it offers that will certainly help a CS graduate to better prepare own self to better meet the industry and academia needs. She presented notable students and professionals who did various certification courses from ICE and are now moving forward with their careers.

The Associate Dean of Faculty of Science & Technology, Mashioor Rahman discussed on - “Why is there the need for relevant certification courses and higher degrees and what is their relevance in someone’s career?” He encouraged the students to re-think and re-evaluate their future plans by considering the current and probable future demands in the job market. He also discussed the success moments of alumni students. Prof. Dr. Dip Nandi, Director, FST concluded the webinar by summarizing all the discussions and explained that from the webinar session how a final year student will have a better understanding on what to do next that will guide them to a delightful career.



MMC Students visited the Resettlement area of Kumarabhog, Mawa

The Padma Multipurpose Bridge is a long-awaited dream of the citizens of Bangladesh. On June 25, 2022, Honorable Prime Minister of the Government of People's Republic of Bangladesh, Sheikh Hasina inaugurated the Padma Bridge, embarking the country into a new era of self-sufficiency. In the international arena, it is a sign of bold proclamation and pride.

This bridge exists entirely for the service of general, and mainly for north and southern people of Bangladesh. However, the question that really arises is; "Is it truly serving its purposes? The question is "where they are living whose ancestral home, land, farms, etc. have to be handed over to the government for this Padma Bridge and how is the government assimilating them? In addition, is it truly serving the masses the way we all expect it to?

To answer such hundreds of questions on the minds of the Media and Mass Communication (MMC) students (budding journalists) of the American International University Bangladesh (AIUB) a study tour was arranged by Mr. Niaz Majumdar on Thursday, July 29, 2022. Students of Photojournalism and Introduction to Communication courses conducted a survey to find out the actual condition of rehabilitation centers for sufferers or marginalized groups at the resettlement area of Kumarabhog, Mawa.

The Kumarabhog rehabilitation site is a natural beauty with glimpses of greenery. All houses are wonderfully constructed (tradition and modern) and decorated. There is a beautiful mosque at the entrance, with ponds, and many small shops. The overall atmosphere is very calm and relaxing.

It was a part of students' course fieldwork which turned out to be a unique one as identified from the responses of the people of that area. Students conducted a 3-hour long survey, and it was one of its very first kind to be conducted in that area.

At the end of the day, based on the responses of the local people, it was briefly summarized that 85% people showed positive response, 10% mixed feelings and 5% no annotations regarding their resettlement caused by the establishment of the Padma Multipurpose Bridge project.



AIUB Social Welfare Club – “Shomoy”: “Standing with the Flood-Effectuated 2022”

Natural disasters rob us of our sense of control in the world, rendering us helpless to its chaos and leaving us to pick up the pieces that lie in its wake. But just as rain turn into floods, one drop at a time, while alone, we may be drops of water, but together, we can form an ocean. And it is at times of such tragedy and turmoil, that we re-find hope in mankind.

This year, record-breaking rainfall causing a flash flood in upstream Meghalaya and Assam areas of India, followed by torrential rainfall in the north-eastern districts of Bangladesh lead to more 70% of the Sylhet division being submerged, marooning around 40 lakh people in several upazilas. But within days, various voluntary and charitable organizations came forward to aid in the recovery and restoration of the flood-affected regions. From UNICEF, United Kingdom, European Commission, Prime Minister’s Office, and several other local organizations and individuals, everyone did whatever they could to lend a helping hand and overcome the unprecedented calamity. And the American International University – Bangladesh (AIUB) takes pride in the fact that the AIUB Social Welfare Club – Shomoy, a voluntary student organization working towards social development, took an initiative to run a fund-raising campaign to support the cause. After a week-long campaign, donations from students and staff enabled the club to distribute relief packages of flattened rice, puffed rice, molasses, dates, first-aid medication, saline, sanitary pads, candles, lighters, water, and polythene packets, to over 260 households in need, with the help of local authorities, on the 29th of June 2022, across the flood-affected areas of Moghla Bazar in Sylhet.

In such dire circumstances, every bit of contribution plays a valuable role in getting through the calamity, rising above, and persevering to rebuild a better tomorrow, and the university and its student community hopes to continue doing that and serving the greater good.



“Oder Eid, Amader Khushi” Campaign 2022 by Shomoy Club

Albert Einstein once said, “Those who have the privilege to know have the duty to act.” Because we may not be able to help everyone, but everyone can help someone. It is with that very notion, like every year, even throughout the pandemic, the AIUB Social Welfare Club – Shomoy, arranged their annual flagship fund-raising campaign for underprivileged children, “Oder Eid, Amader Khushi (Their Eid, Our Happiness) 2022”. Eid-ul-Fitr is one of the major religious festivals for the Muslim community, but it is also an occasion that creates numerous childhood memories that are cherished for life. Due to their financial constraints, many struggling with poverty, is unable to celebrate the occasion of Eid. So, this year, students, faculty members, administrative officials, and the management of the American International University – Bangladesh (AIUB) came together and contributed around 2,00,000 BDT towards the noble cause. On the 29th of April 2022, the AIUB Shomoy Club distributed Eid rations like rice, oil, onions, potatoes, salt, sugar, spices, vermicelli, milk, etc. that are the basic requirements for traditional meals prepared by Muslim households for their families during the auspicious festival. As a result, over 200 students of ‘Kathpencil Pathshala’, a school for underprivileged children in the Tejgaon area, along with their families truly enjoyed and commemorated the joy and spirit of Eid. In that light, moving forward, everyone at the university hopes to continue sharing the blessings, seeking forgiveness, and easing the suffering of all, together.



Faculty Research and Publication

Economic Power Dispatch Solutions Incorporating Stochastic Wind Power Generators by Moth Flow Optimizer

Author: MOHAMMAD KHURSHED ALAM et al.

Brief Description:

Optimization encourages the economical and efficient operation of the electrical system. Most power system problems are nonlinear and nonconvex, and they frequently ask for the optimization of two or more diametrically opposed objectives. The numerical optimization revolution led to the introduction of numerous evolutionary algorithms (EAs). Most of these methods sidestep the problems of early convergence by searching the universe for the ideal. Because the field of EA is evolving, it may be necessary to reevaluate the usage of new algorithms to solve optimization problems involving power systems. The introduction of renewable energy sources into the smart grid of the present enables the emergence of novel optimization problems with an abundance of new variables. This study's primary purpose is to apply state-of-the-art variations of the differential evolution (DE) algorithm for single-objective optimization and selected evolutionary algorithms for multi-objective optimization issues in power systems. In this investigation, we employ the recently created metaheuristic algorithm known as the moth flow optimizer (MFO), which allows us to answer all five of the optimal power flow (OPF) difficulty objective functions: (1) reducing the cost of power generation (including stochastic solar and thermal power generation), (2) diminished power, (3) voltage variation, (4) emissions, and (5) reducing both the cost of power generating and emissions. Compared to the lowest figures provided by comparable approaches, MFO's cost of power production for IEEE-30 and IEEE-57 bus architectures is \$888.7248 per hour and \$31121.85 per hour, respectively. This results in hourly cost savings between 1.23% and 1.92%. According to the facts, MFO is superior to the other algorithms and might be utilized to address the OPF problem.

Source:

https://www.researchgate.net/publication/363466179_OPTIMAL_POWER_FLOW_SOLUTIONS_INCORPORATING_STOCHASTIC_WIND_POWER_GENERATORS_BY_MOTH_FLOW_OPTIMIZER

COVID-19 and Sustainable Development Goals: Bangladesh Perspective

Author: MD. MORTUZA AHMMED et al.

Brief Description:

The objective of this study is to evaluate the state of the Sustainable Development Goals (SDGs) in Bangladesh before the arrival of COVID-19 along with its apparent impact on the accomplishment of SDGs in the future. Data from several national and international sources have

been utilised to serve the analytical purpose of the study. Obliteration of the commendable accomplishments regarding some of the SDGs so far and resetting of the goals in terms of precedence are going to be the main consequences of COVID-19 concerning SDGs in Bangladesh which would impede attaining SDGs. However, constrictions in the production of industries along with a massive drop in fossil fuel usage through vehicles would give some respite to nature leading to notable progress regarding SDG 13, SDG 14 and SDG 15. But it would never recompense significantly for the overall effect resulting from COVID-19.

Source: <https://www.inderscience.com/info/inarticle.php?artid=125098>

Impact of monthly repayment system on the household income and food expenditure of the rural women borrowers: Evidence from Bangladesh

Author: FARHANA RAFIQ et al.

The main objective of this study was to assess the impact of the Monthly Repayment System (MRS) on the living standard of poor women borrowers in terms of household income and food expenditure. Primary data were collected from the women borrowers of NGOs in the Mymensingh district of Bangladesh using the Simple Random Sampling (SRS) technique. In this study, the Propensity Score Matching (PSM) method was used to assess the impact of MRS on the household income and food expenditure of the women borrowers. This study demonstrated that MRS played a significant role in improving the women borrowers' household income and food expenditure. The 'Five-Point Likert Scale' was also used to assess the borrowers' opinions on whether they were economically better off under the MRS or not. The majority of the borrowers had opinions that they preferred MRS for their economic betterment. This study suggests that MRS should be practiced among women borrowers who received loans for pursuing agricultural activities.

Source: <https://ajbe.aiub.edu/index.php/ajbe/article/view/114>