

American International University-Bangladesh (AIUB)

## SDG Activity Report 2023

### SDG 17: Partnership for the Goals

Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development



American International University-Bangladesh (AIUB) recognizes the significance of partnerships in achieving the Sustainable Development Goals (SDGs), particularly SDG-17: Partnerships for the Goals. The university has actively forged strategic international collaborations with universities such as Dongshin University in South Korea, Amity University in Uzbekistan, and Adamas University in India. These partnerships aim to strengthen AIUB's global academic network, facilitate research opportunities, and promote cross-border educational exchanges.

AIUB also engages in regional collaborations, particularly through agreements with institutions like Kathmandu University in Nepal and Fergana Branch of Tashkent University of Information Technologies in Uzbekistan. These collaborations support both academic growth and shared SDG efforts, particularly in areas like sustainable energy and environmental protection. AIUB's participation in events like the Bangladesh Education Forum 2023 in Dubai and the 36th AUAP Annual Conference underscores its commitment to fostering cross-sectoral dialogue on SDGs.

In line with SDG-17, AIUB is also dedicated to data gathering for SDG measurement and has supported initiatives on sustainability, including publications and reports on SDGs. The university integrates sustainable practices into its curriculum and community outreach programs, focusing on sustainability literacy among students. Through these actions, AIUB is building vital partnerships across borders and sectors, ultimately contributing to a more inclusive, equitable, and sustainable global community.

#AIUB #SDG17 #Partnerships #SustainableDevelopment #GlobalCollaboration

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# University Activities towards SDG 17

## MOU BETWEEN AIUB AND DONGSHIN UNIVERSITY [DSU], REPUBLIC OF KOREA

Amplifying their international collaborations for education, the American International University – Bangladesh [AIUB] signed a Memorandum of Understanding [MoU] with the Dongshin University [DSU], Republic of Korea. On 10th April 2023, delegates from DSU arrived at AIUB to discuss the opportunities for collaboration in the form of faculty and student exchange programs, collaborative staff development programs, exchange of academic information and materials of mutual interest, organization of joint research programs, and other academic exchanges. The signing ceremony was endorsed by Prof. Dr. Md. Abdur Rahman [Pro Vice Chancellor, AIUB] and Prof. Seongrok Oh [Dean, Institute of International Education, DSU] in the presence of other representatives from both universities.

The agreement holds great promise for the institutions in developing their academics, enriching cultures, and sharing diversity in the process. AIUB and DSU expressed their interest and eagerness in undertaking the partnership activities moving forward as soon as possible, realizing the potential possibilities of this strategic linkage. This MoU is expected to deliver an opportunity for both organizations to strengthen their mutual relationships and collaborate for mutual benefits.

This MoU ceremony was organized by Ms. Sazia Afrin, Assistant Professor, Department of Accounting, AIUB, with the utmost supervision and guidance of Prof. Dr. Farheen Hassan, Associate Dean, FBA, AIUB, and Dr. Mohammad Faridul Alam, Associate Professor, and Director, Graduate Program [MBA & EMBA], AIUB. The signing event was also attended by Mr. Manzur H. Khan [Director (OSA) & Proctor]; Mr. Manirul Islam, Director, Institute of Continuing Education; Dr. Md. Aftab Anwar, Head, Department of Management & HRM; and Mr. Mohammad Hamidul Haque, Head, Department of English. Mr. Yohan Cho, an official from the Institute of International Education, DSU, also attended the MoU signing program.

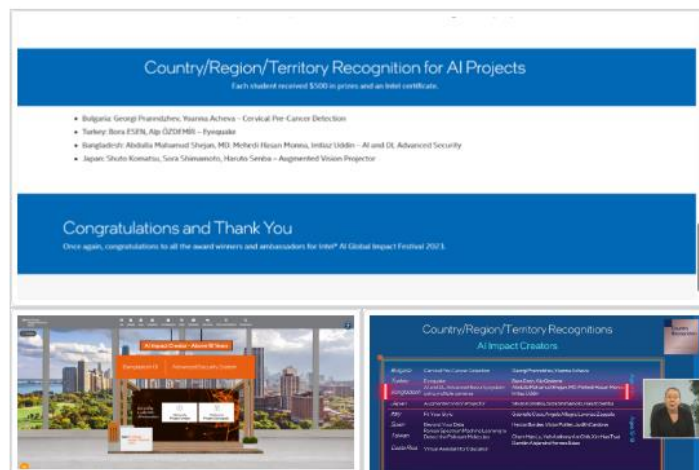
<https://www.aiub.edu/mou-between-aiub-and-dongshin-university-dsu-republic-of-korea>



## EEE students from AIUB achieved Country/Region/Territory Recognition Award in Intel AI Global Impact Festival 2023

Team "AI and DL Advanced Security" from the Department of Electrical and Electronic Engineering (EEE), American International University-Bangladesh (AIUB) was awarded Intel® presents Intel® AI Global Impact Festival 2023- Country/Region/Territory Recognition for AI Projects. The event was live from September 13 – 20, 2023, and after competing in five rigorous examination stages, 126 AI projects and best practices of researchers competed at the global level. "AI and DL Advanced Security" not only received well-deserved recognition for their home country, Bangladesh, but they also showcased their project entitled "AI and DL Advanced Security system using multiple cameras" on the global stage, exemplifying the country's AI potential. Team "AI and DL Advanced Security" was led by Abdulla Mahamud Shejan (Student, Dept. of EEE, AIUB) and members are Md. Mehedi Hasan Monna (Student, Dept. of EEE, AIUB), and Imtiaz Uddin (Student, Dept. of EEE, AIUB). Sarah Kemp (Vice President, International Government Affairs, Intel) announced the certificates and prizes to the winners and team members received USD 500 and intel certificates.

<https://www.aiub.edu/eee-students-from-aiub-achieved-countryregionterritory-recognition-award-in-intel-ai-global-impact-festival-2023>



## AIUB presents Bangladesh Education Forum 2023 at Dubai

Bangladesh Education Forum 2023, co-organized by the American International University-Bangladesh (AIUB), was held at the Crown Plaza, Dubai, UAE on October 14-15, 2023. The conference, the second of its kind, aimed to spotlight the achievements of the higher education sector in Bangladesh and promote the country as a high-quality yet cost-effective destination for higher education on a global scale.

Mr. Ishtiaque Abedin, Honorable Chairman of the Board of Trustees of AIUB, led the team from AIUB, including honorable members of the Board of Trustees Dr. Hasanul A Hasan, Dr. Carmen Z Lamagna, Shania Mahia Abedin, and Md Abu Miah Akanda Tuhin, head of Public Relations. The event saw the presence of several dignitaries, including Professor Dr. Biswajit Chanda, Honorable Member of the University Grants Commission of Bangladesh, Mr. Mohammed Abu Zafar, the Honorable Ambassador of Bangladesh to the UAE, Mr. B M Jamal Hossain, Consul General of the Bangladesh Consulate in the UAE, and Mr. Abu Bakar Hanif, Chairman & CEO of Washington University of Science and Technology. Additionally, chairpersons, vice-chancellors, pro-vice-chancellors, registrars, directors, faculty members, and officials from various universities graced the Bangladesh Education Forum with their presence.

Mr. Ishtiaque Abedin, the Honorable Chairman of the AIUB Board of Trustees, announced scholarships for students enrolling at AIUB from the UAE, emphasizing the university's commitment to providing high-quality education and support to students. He also highlighted AIUB's thriving ecosystem for funding start-up initiatives by its students, fostering innovation, scientific development, technology advancement, and international partnerships. The chairman expressed a keen interest in expanding collaboration with UAE-based universities and authorities, including exchange programs for students and faculty. Dr. Biswajit Chandra acknowledged the role and contribution of private universities in the growth of the education sector. Ambassador Muhammad Abu Zafar underscored the affordability and quality of education available in Bangladesh, reflecting the government's dedication to enhancing the educational landscape. He also noted the presence of a significant number of Bangladeshi students in the UAE and encouraged them to explore educational opportunities in Bangladesh.

Dr. Carmen Z Lamagna, Member of the AIUB Board of Trustees, expressed her admiration for Bangladesh and encouraged expatriate students and parents to consider the University of Bangladesh as a valuable option for higher education, emphasizing the potential for career development based on merit. The event featured panel discussions, information sessions, presentations, and valuable interactions among key stakeholders in higher education. Numerous Bangladeshi universities actively participated in the Bangladesh Education Forum 2023. Bangladesh Education Forum 2023 represents a collaborative effort between the Pan Asian Group (UAE) and Spiral World (BD) and receives support from the University Grants Commission Bangladesh, the American International University-Bangladesh (AIUB), and the Association of Private Universities of Bangladesh (APUB).

<https://www.aiub.edu/aiub-presents-bangladesh-education-forum-2023-at-dubai>



## AIUB at the 36th Association of Universities of the Asia and the Pacific (AUAP) Annual Conference

It has been said that knowledge is power. And it could not be more true than now, in the age of information. The learning an institute of higher education imparts today, is what enables its people to undertake the responsibility of capitalizing on resources to embark on endeavors that can be geared towards bringing about positive change in the world as we know it. Themed on “Utilizing Institutional Assets to Enhance Global Outreach”, the Association of Universities of the Asia and the Pacific (AUAP), held their 36th Annual Conference, organized by Siam University (SU), Bangkok, Thailand, in corporation with the Association of Universities of Asia and the Pacific (AUAP), California Baptist University (CBU), California, USA and Asian Cooperation Dialogue – University Network (ACD-UN), Kuwait, on the 17th – 18th of November 2023 at the SU Campus in Bangkok, Thailand.

As one of the long-standing members of the association since 2003, the American International University – Bangladesh (AIUB), proactively participated, along with over 100 participants from more than 50 higher education institutions, in the insightful keynote sessions, engaging panel discussions, and remarkable paper presentations made at the conference. Dr. Carmen Z. Lamagna, the Vice Chancellor In-Charge and Member, Board of Trustees at AIUB, as well a member of the Advisory Council (2020-2024) and a former President (2008-2010) of AUAP, attended the 54th AUAP Executive Board Meeting with the AUAP Executive Board & AUAP Advisory Council. She also conducted the interactive panel discussion on ‘Strategic Deployment of Institutional Assets to Foster Internationalization of Higher Education’ as the moderator with 3 distinguished speakers, who each shared their constructive perspectives. Dr. Abdolmajid Eskandari, the Director General of the Office of International Relations at University of Tehran, Iran, elaborated on ‘International Dimension of Higher Education’, followed by Prof. Dr. Balvir S. Tomar, Founder & Hon'ble Chairperson, Nims University, India, who highlighted ‘UNESCO’s Road Map for Higher Education and its Impact along with SDGs’, while Mr. Kok Lau-Yin, the Managing Director, Kreml Communications International, Singapore, and an Advisory Council member of AUAP, emphasized on the notion to ‘Deploy Your Assets to Take Student Globally’.

During the 2-day conference, the valuable networking opportunities paved the pathway for numerous international collaborations between institutions, with Dr. Lamagna, facilitated by Ms. Shama Islam, the Assistant Professor, Department of Marketing, Faculty of Business Administration and the Special Assistant, Office of the Vice Chancellor & Student Affairs, forged 18 new partnerships on behalf of AIUB, to work towards enriching the landscape of education through mutually beneficial initiatives that exchange ideas, develop programs, and improve research. Memorandums of Understanding (MoUs) were officially signed with the following participating institutions at the conference –

1 University of Applied Sciences Upper Austria, Austria; 2 IIC University of Technology, Cambodia; 3 University of Saint Joseph, China; 4 John Von Neumann University, Hungary; 5 KCG College of Technology, India; 6 Universitas Muhammadiyah Yogyakarta, Indonesia; 7 Bataan Peninsula State



University, Philippines; 8 Leyte Normal University (LNU), Philippines; 9 Lyceum of The Philippines University Batangas, Philippines; 10 Mountain Province State Polytechnic College, Philippines; 11 Pan Pacific University, Philippines; 12 Polytechnic University of the Philippines, Philippines; 13 San Sebastian College Recoletos, Philippines; 14 St. Dominic college of Asia, Philippines; 15 Tarlac Agricultural University, Philippines; 16 University of Mindanao, Philippines; 17 University of Southern Mindanao, Philippines; 18 Daegu Health College, South Korea

Educational exchanges are by far the most effective tools to bridge the gap of holistic education through the collective efforts of the leaders of today and tomorrow together. Internationalization in higher education is no longer a vision to be achieved but rather a mission to be fulfilled, in order to pursue progressive growth in evolving educational environment of the 21st Century and beyond, across borders. AIUB has always believed in the need to strengthen education systems to encompass international socio-cultural diversities, technological advancements, teaching-and-learning differences of the global village we live in today. And the commitments made at the conference by AUAP, AIUB, and all the other participants this year will aid in realizing the imperative transformation of the multifaceted spectrum of higher education in the long run.

<https://www.aiub.edu/aiub-at-the-36th-association-of-universities-of-the--asia-and-the-pacific-auap-annual-conference>



## MoU Renewal Signing with Asian Institute of Technology (AIT), Thailand

Collaboration across borders brings together the expertise, resources, and drive to create a better future. Without it, our growth is limited to our own perspectives, but with it, our reach and scope are expanded beyond it. Pursuing the collaborative partnership, the American International University – Bangladesh (AIUB) and the Asian Institute of Technology (AIT), Thailand, renewed their Memorandum of Understanding (MoU) on the 1st of March 2023 at the AIT campus. Engaging in various academic and co-curricular activities in a wide range of capacities, AIUB and AIT have been affiliated since 2008, working towards the development of higher education for both institutions. On behalf of AIUB, Dr. Carmen Z. Lamagna met Prof. Kazuo Yamamoto, the Interim President of AIT, along with several other academic and administrative officials, to discuss the prospective areas of cooperation between the institutions and the pathway to move forward. Together, they officially endorsed the agreement to embark on mutually beneficial initiatives of international exchanges, curriculum development, and progressive research. Through a strategic focus on creating a positive impact of change in the long run, AIUB and AIT look forward to actualizing a constructive partnership and improving the educational landscape.

<https://www.aiub.edu/mou-renewal-signing-with-asian-institute-of-technology-ait-thailand>



## MOU signed between AIUB and Adamas University, India

On September 11, 2023, a memorandum of understanding (MoU) was officially inked between the Department of Media and Mass Communication (MMC) of the American International University-Bangladesh (AIUB) and the School of Media and Communication of Adamas University in Kolkata, India. This collaborative agreement paves the way for a robust partnership aimed at fostering leadership skills through multi-curricular activities for students from both institutions. Furthermore, it outlines strategies for the internationalization of student exchange programs across various academic disciplines.

Recently, a delegation of ten students from AIUB's Faculty of Arts and Social Sciences (FASS), accompanied by their teachers, namely Prof. Dr. ABM Rahmatullah, Associate Dean of FASS, and Mr. Niaz Majumdar from the MMC department, embarked on an "International Student Exchange Program" to Adamas University in Kolkata, India.

<https://www.aiub.edu/mou-signed-between-aiub-and-adamas-university-india>



## AIUB inks MoUs with Amity University Tashkent (AUT) and Kimyo International University (KIUT)

In the face of increasingly interconnected and complex global challenges, international collaboration between universities has become more crucial than ever. By fostering partnerships across borders, institutions can pool their expertise, resources, and insights to address pressing issues that demand collective action. International collaboration is not just about sharing knowledge and resources, but rather about building bridges of understanding, fostering mutual respect, and creating a sense of shared responsibility for the future of our planet. Institutions of higher education around the world are embracing the power of international collaboration to tackle a wide range of challenges, from climate change and pandemic preparedness to sustainable development and global health equity. And the American International University – Bangladesh (AIUB) has always proactively pursued constructive cooperation across borders in order to better equip its students to compete on a global landscape. These partnerships are not only advancing knowledge and innovation but also promoting cross-cultural collaboration. To further that notion, 2 Memorandums of Understanding (MoUs) were signed with Amity University Tashkent (AUT) and Kimyo International University

(KIUT) on the 23rd of November 2023, by Dr. Carmen Z. Lamagna, Vice Chancellor In-Charge and Member, Board of Trustees, AIUB, Mr. Babur Abdullaev, Chief Executive Officer, AUT, and Prof. Janpolat Kudaybergenov, Rector, KIUT.

This strategic alliance marks a significant step forward in advancing higher education and research in Bangladesh and beyond. The MoU outlines a comprehensive framework for collaboration between the two institutions, encompassing key objectives of promoting curriculum development, supporting doctoral studies, and enhancing institutional capacity building. The agreement facilitates the mutual participation of the partners' students and staff, providing them with the opportunity to enhance their academic qualifications and research expertise. This exchange of knowledge and expertise will undoubtedly contribute to the advancement of the academic programs and research endeavors for all the partners. The MoUs also underscore the commitment of both AIUB, AUT, and KIUT to support the enhancement of the skills and knowledge of the students and staff of the 3 institutions in the ever-evolving IT industry. Formalizing the collaborative partnerships mark a significant milestone for AIUB, AUT, and KIUT, in their commitment to leverage their expertise and resources to advance higher education and research, fostering innovation, and preparing future leaders for the challenges and opportunities of the digital era. As the world becomes increasingly interconnected, the need for international collaboration will only grow. As institutions of higher education, there is a critical role to play in addressing global challenges and fostering a more sustainable and equitable future for all, and together, AIUB, AUT, and KIUT intends to work towards creating a better and brighter one for the generations to come. <https://www.aiub.edu/aiub-inks-mous-with--amity-university-tashkent-aut-and-kimyo-international-university-kiut>



## Agreement of Cooperation between Fergana branch of Tashkent University of Information Technologies (TATU) named after Muhammad al-Khwarizmi, and American International University-Bangladesh (AIUB)

The Fergana branch of Tashkent University of Information Technologies (TATU) named after Muhammad al-Khwarizmi, represented by the Director, Mr. Farrukh Muhammadovich Mukhtarov and the American International University-Bangladesh (AIUB), represented by the Founding Member of the Board of Trustees, Dr. Hasanul A. Hasan signed an Agreement of Cooperation last March 25, 2023, in the TATU campus, Fergana, Uzbekistan. The provision of the agreement is the cooperation between the 2 universities in the field of education and science, promoting the effective functioning of the higher education systems, as well as innovative, scientific, and technical partnerships in the implementation of joint programs and publications of scientific research and technical development, joint conferences, seminars and symposiums, including exchange of leading scientists, academic staffs and students.

<https://www.aiub.edu/agreement-of-cooperation-between-fergana-branch-of-tashkent-university-of-information-technologies-tatu-named-after-muhammad-al-khwarizmi-and-american-international-university-bangladesh-aiub>





## MoA between AIUB and the Asian Institute of Technology (AIT), Thailand

International collaboration is the key to unlocking the potential of science and technology to solve global challenges. By working together, we can share knowledge, resources, and expertise to address issues and make a real difference in the world. Competition may make us faster, but collaboration makes us better, through which we can bring about an unwavering positive change. Since renewing the partnership agreement earlier this year, the American International University-Bangladesh (AIUB) and the Asian Institute of Technology (AIT) signed the Memorandum of Agreement (MoA) on the 15th of November 2023, at the AIT campus in Pathumthani, Thailand. In a landmark move to strengthen their long-standing partnership, the MoA, signed by Prof. Kazuo Yamamoto, the President of AIT, and Dr. Carmen Z. Lamagna, the Vice Chancellor-in-Charge and Member, Board of Trustees, at AIUB, marks a significant step forward in their collaborative efforts to foster excellence in doctoral education and capacity building.

The MoA outlines a comprehensive framework for collaboration between the two institutions, encompassing key objectives of promoting faculty and staff development, supporting student doctoral studies, and enhancing institutional capacity building. The agreement facilitates the participation of AIUB faculty and staff in doctoral degree programs at AIT, providing them with the opportunity to enhance their academic qualifications and research expertise. This exchange of knowledge and expertise will undoubtedly contribute to the advancement of AIUB's academic programs and research endeavors. It also underscores the commitment of both AIUB and AIT to supporting the pursuit of doctoral studies by AIUB students. This includes facilitating their admission to relevant doctoral programs at AIT, providing financial assistance, and offering guidance and mentorship throughout their doctoral journey. The MoA aligns with AIUB's capacity-building plan as well, providing a platform for collaboration in areas such as curriculum development, faculty development, and research infrastructure enhancement. This synergistic partnership will undoubtedly strengthen AIUB's institutional capabilities and contribute to its overall growth and development.

Both institutions have been proactive in actualizing constructive collaborations as partners in enhancing global higher education that creates an impact not just in the world but throughout the lives of its stakeholders, from the students to the staff, and the community as a whole. In a world facing increasingly complex challenges, international collaboration is not a choice but an imperative. Through partnerships like the one between AIUB and AIT, we can harness the collective knowledge and expertise of diverse institutions to address global issues and create a more sustainable and equitable future for all.

<https://www.aiub.edu/moa-between-aiub-and-the-asian-institute-of-technology-ait-thailand>

## AIUB and Kathmandu University, Nepal sign MOU on Sports

On August 6, 2023, the American International University-Bangladesh (AIUB) and Kathmandu University in Nepal solidified their collaboration by formalizing a distinctive Memorandum of Understanding (MoU). The primary objective of this MoU is to initiate a sports exchange program, aimed at enhancing cooperation and reinforcing the connection between AIUB and Kathmandu University. Mr. Manzur H. Khan, Proctor and Director of the Office of Student Affairs at AIUB, and Professor Dr. Rajendra Joshi, Director of the Directorate of Student Welfare at Kathmandu University, Nepal, signed the MoU on behalf of their respective institutions. The signing of this sports-oriented MoU will usher in new avenues for friendly relations between the universities of the two nations. This agreement will facilitate the exchange of players, coaches, and officials between the two universities, enabling them to share their respective experiences, skills, and sports-related information. This reciprocal arrangement promises to be mutually beneficial for both institutions.

<https://www.aiub.edu/aiub-and-kathmandu-university-nepal-sign-mou-on-sports>



## AIUB's strategic partnership with the IAA Bangladesh Chapter

The world's most influential network of marketing and marketing communications professionals, the International Advertising Association (IAA) has been an esteemed advocate for key industry issues, promoting freedom of commercial speech, self-regulation, responsible advertising, education, and professional development for over eight decades. American International University-Bangladesh (AIUB) has become the first-ever university from Bangladesh to join the prestigious International Advertising Association-Bangladesh Chapter. This milestone reflects AIUB's commitment to excellence in education and its dedication to nurturing future professionals in the marketing and advertising domains. This historic achievement symbolizes the joint vision of AIUB and IAA Bangladesh Chapter which recognizes AIUB's position as a leader in academia and industry alignment. AIUB's strategic partnership with the IAA Bangladesh Chapter will undoubtedly foster collaborative efforts and thought leadership, paving the way for advancements in the marketing industry within Bangladesh.

<https://www.aiub.edu/aiubs-strategic-partnership-with-the-iaa-bangladesh-chapter>



## “Agreement between Dr. Anwarul Abedin Institute of Innovation (D2A2I) and Bangladesh Satellite Company Limited (BSCL) signed”

A momentous agreement signing ceremony was recently inked between Dr. Anwarul Abedin Institute of Innovation (D2A2I), American International University-Bangladesh (AIUB) and the Bangladesh Satellite Company Limited (BSCL). The objective of this distinguished gathering was the formal establishment of a collaborative partnership to usher in the development and operation of a Television Rating Points (TRP) Measurement System. This endeavor represents a significant leap forward in the refinement of TRP calculation methodologies for television channels operating within Bangladesh, promising a transformative era within the media industry. The monumental importance of this initiative lies in the provision of invaluable insights and data, crucial to both advertising agencies and television channels. The formalized accord was officially realized through the affixation of signatures by Dr. Shahjahan Mahmood, Chairman & CEO of BSCL, and Prof. Dr. Md. Abdur Rahman, Pro Vice-Chancellor of AIUB and Director of D2A2I.

The gathering was also graced by the esteemed Mr. Chowdhury Akram Hossain, Deputy Director of D2A2I; Dr. M. Tanseer Ali, Associate Professor in the Faculty of Engineering at AIUB; Mr. Abir Ahmed, Assistant Professor in the Faculty of Engineering at AIUB; Mr. Tanvir Ahmed, Lecturer in the Department of Computer Science at AIUB; Mr. Sabbir Hossain, the Software Developer designated for the TRP Project; and Mr. Md. Sarwar e Alam Sarker, also a Software Developer devoted to the TRP Project. On behalf of BSCL, the distinguished gathering featured Mr. Md. Rafiqul Haque, Company Secretary; Mr. Shah Ahmedul Kabir, General Manager (Sales and Marketing); Mr. Bakhtiar Ahmed, Assistant General Manager, Planning and Development; Mr. S. M. Anwarul Aziz, Senior Manager, Customer Service; Mr. Md. Shafiul Azam, Manager of Broadcast, Media, and Promotion; Mr. Md. Muntasirur Rahman, Manager, Mission Engineer; Ms. Rehenuma Tarannum, the Manager, Procurement (Additional Charge); and Mr. Md. Arafin Mahamud, Assistant Manager, Ground Station Maintenance, among others, who graced the ceremony. The signing of this formal agreement is a tangible testament to the unwavering commitment of both entities to usher in a new era of innovation, thereby fostering opportunities for mutual growth and progress. In so doing, it establishes an exemplary standard for prospective partnerships within this esteemed field.

<https://www.aiub.edu/agreement-between-dr-anwarul-abedin-institute-of-innovation-d2a2i-and-bangladesh-satellite-company-limited-bscl-singed>





## EEE Student of AIUB is the Champion in LFR Segment of ETECHNOVATION 2K22

Md. Asif Imtiaz Anik (Student, Dept. of EEE, AIUB) became champion in Line follower Racing (LFR) segment of ETECHNOVATION 2K22. The event was organized by Department of ETE, Rajshahi University of Engineering & Technology (RUET) on December 22-23, 2022. The competition was open to all students from Bangladesh and overseas countries. Md. Asif Imtiaz Anik was acknowledged with Certificates and Prize money.

<https://www.aiub.edu/eee-student-of-aiub-is-the-champion-in-lfr-segment-of-etechnovation-2k22>



## Alumni Career Talk by Department of Economics, FASS

A career talk session titled "ALUMNI CAREER TALK" was organized on Tuesday, July 25, 2023, by the Department of Economics of the Faculty of Arts and Social Sciences in the Media Studio of American International University – Bangladesh (AIUB). Ms. Afrin Mahbub, a Programme Associate in the research division at the Centre for Policy Dialogue (CPD), and also co-authored a book titled "Bangladesh-Japan Partnership: The Next Development Journey," Mr. Sajjad Khan, Senior Officer for Brand and Design at Energypac Electronics Ltd, and Ms. Sadia Tabassum, Specialist in the Marketing Operations department at Therap BD Ltd, were featured in the session. This talk show's primary objective was to inspire and guide the current students from the Economics department and students from the Business faculty who are concentrating in Economics, towards a promising and fulfilling career path. The alumni speakers recounted their individual experiences, emphasizing the various obstacles they confronted. In addition to demonstrating the practical applications of their academic knowledge, they stressed the significance of networking, continuous learning, CV preparation, soft skills, general knowledge, teamwork, extracurricular activities, good communication skills, the value of professional degrees, and what is expected of recent graduates. Their experiences, insights, and accomplishments were invaluable sources of inspiration and direction for the following generation of graduates.

<https://www.aiub.edu/alumni-career-talk-by-department-of-economics-fass>



## AIUB Collaborates as Knowledge Partner of CIPR's 2nd International Conference

The 2nd International Conference on “Alliances and Partnerships in the Indo-Pacific: Elevating Strategies and Interests” organized by the Consortium of Indo-Pacific Researchers (CIPR) – a Washington-based think tank – was held online between 1st – 04th Nov 2023.

American International University- Bangladesh (AIUB) along with Wisconsin Veterans Museum, USA and Amity University, India were the knowledge partners of this CIPR event, endorsed by the Rutgers University, USA.

The four-day virtual conference was attended by researchers and professionals from 27 Universities/ institutes from 10 countries of the Indo-Pacific Region.

Speakers in the conference include distinguished scholars and professionals from: Australia (Murdoch University, Perth), Bangladesh (American International University-Bangladesh, University of Dhaka, BSMR Maritime University), India (Jawaharlal Nehru University, Amity University, Pondicherry University, Kalinga Institute of Indo-Pacific Studies), Japan (Kansai Gaidai University, Osaka, International Christian University, Hudson Institute), Philippines (De La Salle University, Manila), Singapore (Nanyang Technological University), Turkey (İstanbul Gedik Üniversitesi), USA (U.S. Army War College Strategic Studies Institute, National Intelligence University, National Defense University, Washington, DC, Atlantic Council, U.S. Space Force, INDOPACOM, Hawaii, Wisconsin National Guard, Illinois State University, Naval War College, Stanford University, Ohio University, Rutgers University, John-Hopkins University and Consortium of Indo-Pacific Researchers).

The conference - attended by AIUB researchers and students - included 11 thematic panels, two students' panels and one plenary session on regional and global issues.

AIUB's Registrar and Reader of Politics and IR, Dr Mohammad Zahidul Islam Khan co-chaired several sessions including the plenary on “The Emerging World Order and the Ukraine War” Distinguished plenary speakers included Prof. Simon Reich (Rutgers University), Prof. Chintamani Mahapatra (Kalinga Institute of Indo-Pacific Studies, India), Dr. Nagalaxmi M Raman (Amity Institute of International Studies, India), Dr. Evan Ellis (U.S. Army War College, USA), Dr. Mehmed Ali (US Space Force). A recorded version of the plenary session is available here: <https://www.youtube.com/watch?v=xtekBcbRVHs>

AIUB's collaboration in this event as a knowledge partner is aligned with the internationalization pillar of the University's Academic Strategic Plan -2033 and is expected to add value to its mission as a global parent in creating and disseminating new knowledge and promoting research.

<https://www.aiub.edu/aiub-collaborates-as-knowledge-partner-of-ciprs-2nd-international-conference>

## Faculty Research and Publication on SDG 17

### Understanding the Necessity of Updated Syllabus of Physics for Undergraduate Students ----- Establishing Academy and Industry Collaboration in Bangladesh

DR. HUMAYRA FERDOUS et al.

Physics is one of the most fundamental subjects, that is taught when a student is enrolled in “Science” group in Bangladesh. Prior to that, several topics of Physical Science are learned by the students in Secondary and Primary Schools. However, at undergraduate level, when a student is enrolled in any field of Engineering such as Electrical & Electronic Engineering (EEE), Mechanical Engineering (ME) or Industrial and Production Engineering (IPE) and Architecture etc., they also study Physics for a significant amount of time, where focus is mainly given on the theoretical part of the subject with some laboratory experiments in current context. However, these are the applied fields which have direct link to the fundamental subjects such as Physics and Mathematics. These subjects play very crucial role for their future career paths [1]. Though not much attention has been given in developing updated syllabus and linking it to the industry of Bangladesh so far. Therefore, student who study Physics courses as minor, will not be able to connect it to the real world due to non-existent nature of such links. Studies shows that understanding of Physics topics depends upon socio and demographic context also [2]. In this current research work efforts are made on how we can establish such links through updating syllabus and accommodating real world case studies associated with different Engineering and Architectural problem of Bangladesh. Nonetheless, it is an important act in the direction of achieving SDG’s (SDG: 4, SDG: 9, SDG: 17) as Bangladesh plans to achieve SDG’s by 2030, declared by UN.

### Challenges for Improving the Status of Women in Physics: Insights from Bangladesh

DR. HUMAYRA FERDOUS et al.

The country report highlights the urgent need to address the challenges faced by women in physics related fields and careers in Bangladesh. Despite their ability to compete on merit, women's participation in physics career remains lower than men's, though student enrolment is higher than before. The report aims to provide a greater understanding of the underrepresentation of women in physics-related fields and careers, shedding light on the societal biases and stereotypes that impact women's engagement in physics, as well as the difficulties they face in balancing personal and professional obligations. Implicit gender biases and an unfriendly work environment further hinder women's careers in physics. Our recent study reveals that men have more opportunities than women in physics-related fields, adding to the complexity of the situation. Therefore, there is an urgent need for initiatives to address the challenges faced by women in physics. The paper presents data on

female faculty, scientists, and student enrolments in physics-related subjects at the country's few academic and research institutions. The study emphasizes the significance of empowering women and encouraging their participation in physics-related fields to assure their presence in the Fourth Industrial Revolution by creating mentorship and networking programs with successful female physicists and professionals [1]. By promoting gender equality and creating a more inclusive work environment, the field of physics can benefit from a more diverse and talented workforce. The paper concludes with a call to action for policymakers, educators, and professionals to work together towards the common goal of increasing women's participation in physics and related fields.

<https://icwip2023.hbcse.tifr.res.in/>

## Setting Up an Academic Research Clinic & Cancer Centre: An Approach to Industry-Academia Collaboration in Health Sector in Bangladesh

DR. HUMAYRA FERDOUS et al.

Industry-academia collaboration is the partnership between academic and industrial institutes where both types of knowledge and skills are gathered to solve different problems efficiently for the purpose of commercial and economical achievement. The reason for industry-academia collaboration is to find interactive elements such as teaching, research and care. These elements must be closely linked together in order to achieve maximal value for the collaborative. Bangladesh is a largely populated country (around 17 billion) where common peoples suffer from different diseases like cancer, diabetes, heart disease, kidney problem. Research and innovation in the health care sector is very negligible compared to other sectors like education, agriculture etc. The main aim of this work is to establish an academic research clinic & Cancer Centre. This paper demonstrates an approach of collaboration between health care clinics, university and industry. One of the key challenges of the sustainable development goal (SDG) are healthy life, well-being, sustainable industrialization, innovation and global partnership. To achieve SDG goal, collaborative approach between Rayhans Radiance Clinic & Cancer Centre (RRCCL), Centre for Biomedical Research (CBR) and American International University Bangladesh-(AIUB) were reviewed in this work. The vision of this collaboration is to devolve a business model in the area of medical physics, biomedical technology and cancer care by a collaboration between clinic, university and industry. RRCCL offer different fellowship to postgraduate student at different university to contribute research in the area of medical physics, biomedical physics, radiation oncology and public health. Centre for Biomedical Research (CBR) is one of the biomedical research labs at American International University Bangladesh-(AIUB) that focus on solving different research problems such as imaging of biological systems, biophysics, medical physics, biomedical engineering, theoretical and computational modeling of complex brain diseases. In the initial stage we start with services like consultation, diagnostic, telemedicine, contemporary biomedical or clinical engineering research and development. Systematic plan and framework have been initiated to develop a public private partnership (PPP) model to set up academic clinics in different regions of Bangladesh. By applying our collaborating output, we want to provide modern healthcare tools to the common people in our country for better diagnosis and treatment

<https://bicc2023.oncologyclub.org/>

## An Evaluation of Tax Policy in Bangladesh: Perspective from Different Professional

DR. B M SAJJAD HOSSAIN et al.

This paper aims to provide some policy-level guidelines for tax system reform in Bangladesh. As Bangladesh earns less tax revenue than other neighboring countries as well as the global average level, it would enhance the government's capabilities for more development and meet governmental expenditures in an appropriate way. This study used both primary and secondary data. Primary data mainly is collected through survey techniques using structured open-ended and close-ended questionnaires. A total of 160 respondents were selected randomly from different professional groups under two major categories (tax-payers and non-tax-payers) which is important to be considered for future policy reformation in the field of income tax system including collection and utilization of the source. As a greater public policy concern, this research contributes to the academia and policy-makers for future study or policy formulation purposes with an indirect aim of the overall socio-political and economic development of the nation.

<https://juniv.edu/journal/11476/file>

## Transforming Slum Dwellings into Better Livable Units: An Approach through Minimum Intervention

M. AREFEEN IBRAHIM et al.

Dhaka, the capital of Bangladesh and the 9th largest city in terms of population, is like an urban melting pot bubbling over with population and a city which is forever changing and never finished for its over population. When Cities are out of control of population density problems, informal urban development is perceived as a consequence of uneven urban growth. The crisis of Dhaka city disables the conventional planning faculty and requests the formulation of alternatives that will integrate architecture of informality into the whole urban structure. This paper tried to figure out the poor living conditions at Duaripara slum which is in the north-western part of Mirpur Thana at Dhaka North City Corporation. Through research and hands-on inclusive solutions, the paper proposed options for their better living condition. Analyzing the present condition of light, ventilation and temperature inside the houses, this research shows how quality of life might be improved through nurturing the opening condition and insulation system of the existing house, which is very much affordable for the slum dwellers, but unfortunately, they are unaware of it. The innovative solutions and increase in skills of informal builders can uplift the permanent up-gradation to informal settlements. Literature study and field survey have helped to develop module design for the improved living conditions that can be retrofitted in existing built forms with minimum intervention. As we are now living in the cutting edge of technology, this small but inclusive initiative may open up big opportunities to upgrade the living conditions of the settlement of slums in Bangladesh and elsewhere with similar existing context.

Keywords: Slum up-gradation, Minimum intervention, Quality of Life, Affordable retrofitting

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<https://ajse.aiub.edu/index.php/ajse/article/view/300>

## The Covid-19 and online learning process in Bangladesh

DR. SHIBLI AHMED KHAN et al.

This study investigates the augmentation of students' engagement in the online learning process using the Zoom platform. To engage students more in online classes we have conducted a survey on four university students in the four dimensions. To investigate effective online classes, we have gone through descriptive statistics followed by principal component analysis (PCA) and factor regression model to identify predicted factors that engage students more in Zoom online classes. The results of PCA confirmed that questions answer session, the instructor asks questions to them, break during the class, topic-related examples, experience sharing scope, case studies, using Google Classroom, screen share, screen annotation, video contents share, class recording, raise hand and reactions to topics can enhance students engagement in the Zoom online classes. The regression results validate all four dimensions have a significant influence on effective Zoom online classes that enhance students' learning process. Thus, the findings of this study recommend educating course instructors to ensure all the applications of the online learning process while conducting online classes. We strongly believe this course of action will engage students in the online class to enhance learning activities using the Zoom platform in Bangladesh.

<https://www.sciencedirect.com/science/article/pii/S2405844023011192>

## A Study on The Effectiveness of Online Classes In Bangladesh During the Covid-19 Pandemic

DR. HUMAYRA FERDOUS et al.

**Purpose of the study:** This paper aims to investigate the effectiveness of COVID-19 pandemic on online education in Bangladesh through a questionnaire-based survey.

**Methodology:** A survey was done from 310 students from different private and public universities to find their perspectives about online education in Bangladesh. The Linear Regression method was used for data analysis.

**Findings:** This survey revealed around 60% people are satisfied on online education system in our country due to

getting close interaction and enough effort from the teacher. On the contrary, the remaining students are unhappy by considering their health and mental issues as they are attending long time online classes.

**Implications:** It is recommended to improve the internet speed, and provide sufficient educational materials, technical training on online education to students in Bangladesh to enhance the effectiveness of online education system during the pandemic period.

<https://ajbe.aiub.edu/index.php/ajbe/article/view/181/164>

## Second law analysis for free convection in an L-shaped cavity filled with nanofluid

DR. AFROZA NAHAR et al.