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 4: Quality Education

AIUB SDG Activity Report 2022

SDG 4: Quality Education

American International University-Bangladesh (AIUB) is at the forefront of promoting Quality Education, as reflected in its diverse array of activities aimed at fostering a dynamic and enriching academic environment. The university's commitment to Sustainable Development Goal 4 (SDG 4) is evident through its multifaceted initiatives, spanning both university-wide activities and the impressive body of Faculty Research and Publications.

The university's dedication to quality education is showcased through seminars, workshops, and conferences that not only enhance students' academic knowledge but also provide valuable insights into real-world applications. Events such as the Seminar on "Be a Future-Fit Leader" and workshops on diverse topics, from personal income tax to advanced antenna design, demonstrate AIUB's holistic approach to education. The English Day, Business Plan Exhibitions, and the Intra-AIUB Art Exhibition underscore the university's commitment to nurturing creativity and critical thinking among students.

AIUB's engagement with industry leaders, exemplified by events like the MoU signing ceremony with City Alo and visits to prominent organizations like GREY Advertising Agency and Rooppur Nuclear Power Plant, showcases the university's emphasis on bridging the gap between academia and industry. Furthermore, the global perspective is embraced through activities like the "Information Session: Erasmus+ Programme," promoting internationalization and providing students with opportunities beyond borders.

The Faculty Research and Publications at AIUB contribute significantly to the academic landscape, addressing contemporary challenges and advancing knowledge. The diverse range of research topics, from nanotechnology and renewable energy to business growth and education during the COVID-19 pandemic, demonstrates the faculty's commitment to addressing real-world issues. Noteworthy is the emphasis on leveraging technology, as seen in research on machine learning, image recognition, and the Internet of Things (IoT), aligning with the demands of the Fourth Industrial Revolution (4IR).

The university's global recognition, exemplified by its ranking in the World Universities with Real Impact (WURI) 2022, speaks to the institution's commitment to academic excellence. The Dr. Anwarul Abedin Lecture Series further enriches the academic environment, providing students with insights from distinguished experts. AIUB's achievements, such as receiving the IEEE Regional Exemplary Student Branch Award and successful celebrations like "IEEE Day 2022," showcase the university's vibrant student community actively participating in global academic initiatives.

In conclusion, AIUB's holistic approach to education, as reflected in its diverse range of activities and research endeavors, underscores its commitment to providing a quality education that aligns with the objectives of SDG 4. The university's positive and proactive engagement in various academic, research, and industry-related activities positions it as a key player in advancing education for a sustainable future. AIUB's dedication to fostering a well-rounded educational experience, embracing global perspectives, and staying at the forefront of technological advancements is commendable and bodes well for the continued success of its students and the broader academic community.

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University Activities

Seminar on Quality Education and Employment Opportunities in Abroad

The AIUB Institutional Quality Assurance Cell (AIUB-IQAC) in collaboration with Office of Placement and Alumni (OPA) organized a seminar titled "Quality Education and Employment Opportunities in Abroad" on Wednesday, December 14, 2022, at the Media Studio, Annex 2, American International University-Bangladesh (AIUB). The seminar aimed to deliver an informative and inspiring discussion regarding important tips on choosing the right career path and ways of navigating through the complicated employment process in abroad.

The seminar started at 2.30 pm with the inauguration speech delivered by Prof. Dr. ABM Rahmatullah (The Associate Dean-in-Charge, Faculty of Arts and Social Science, AIUB and Additional Director of AIUB-IQAC) where he addressed the most significance impact of the quality education on higher studies, the holistic view of job sector and emerging fields in abroad and current job market situation for international students in this Post-Covid era. After that, the honorable guest speaker of the event Mr. Siam Hossain (Founder CEO, Algorigin and Founder President, Higher Study Abroad) was introduced. Mr. Siam discussed how he has fulfilled his dream in abroad and have become the Founder CEO and Founder president of two companies. Additionally, he discussed how research can be helpful for undergraduate students for receiving funding, fellowship, and scholarship in different universities in abroad, especially in USA. He also illustrated the complete pathway a graduate can follow after the completion of his/her graduation till receiving the employment in a foreign country.

The seminar was arranged and moderated by Ms. Susmita Ghosh (Associate Professor, Dept. of EEE, Faculty of Engineering, AIUB and Program Assessor of AIUB-IQAC). The event was concluded by delightful speech of Mr. Roome Tareque Moudud FCMA (Director of OPA) who delivered the vote of thanks to the guest speaker and summarized all the discussions and explained how the outcome of the seminar will help the graduates to choose right career path and pursue the higher studies in abroad.

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.

"Poster Presentation Contest" on "History & Development of English Language"

A lively and dynamic "Poster Presentation Contest" on "History & Development of English Language" was organized by Tasnia Tarannum, Lecturer, Department of English, AIUB on Thursday, 15 December 2022 in room no. 3208. Students of the course History of English Language presented their posters to portray the story of the origin and evolution of the English language in different historical periods and the resulting changes to its vocabulary, spelling, pronunciation, and syntax. The honorable Dean of the Faculty of Arts & Social Sciences, Prof. Dr. Tazul Islam inaugurated the program at 10:30 am in the presence of the Head of the Department of English, Mr. M Hamidul Haque along with a number of other teachers from different departments of FASS. The poster exhibition remained open for students as well as teachers from 10:30 am to 12 pm. The presentation session was held from 12 to 1 pm in the presence of a panel of four adjudicators from English Department including Mr. Asif Kamal, Associate Professor, Ms. Shaila Ahmed, Senior Assistant Professor, Ms. Atiya Tafannum, Lecturer and Ms. Tasnia Tarannum, Lecturer. The two winning teams consisted of eight students who were Nuzhat Tasnim Nafi (Group coordinator), Asma Amrin, Faizah Tahsin Nova, Umma Tapasi Saila, Miftahul Jannat (Group coordinator), Sumaiya Azad Mridula, Nusrat Jahan Tanzila and Sumaia Sultana Meem. The Head of the Department of English, Mr. M Hamidul Haque handed over the crests as well as the certificates to the winners, participants, volunteers, and the judges. The well designed eye-catching and informative posters as well as the spirited performances showed all the participants' dedication and hard work and were highly appreciated by the judges and the audience.

Financial Accounting Quiz Competition Fall 2022-2023

The Department of Accounting, Faculty of Business Administration, organized a quiz competition for the students of Financial Accounting course on December 07, 2022 [Wednesday] in Annex 3 [Venue: 3209]. It was an inclusive competition covering all the students of Financial Accounting course (freshman students). After the preliminary round, total 48 students were selected for the competition. Faculty members from the Department of Accounting, FBA were engaged and provided full support in both the preliminary and final round of selection procedure. The duration of the quiz was one hour.

Gomes, Anvy Fabian achieved the champion position, Hossain, Md Ahanaf and Sinthia, Faria Tabassum won the 1st runner up and 2nd runner up respectively. All the winners have been provided with crests and certificate of achievement. All other participants have also been provided with certificate of participation.

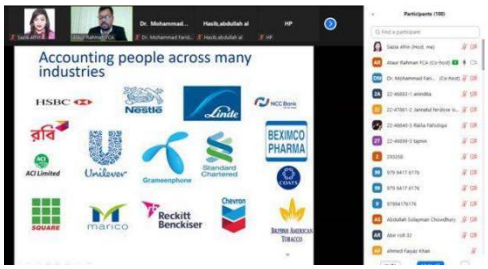
The prize giving ceremony was held on December 14, 2022 [Venue: 3202] in presence of Prof. Dr. Farheen Hasan, BBA Program Director, Dr. Mohammad Faridul Alam, Head Department of Accounting, Mr. Roomee Rateque Moudud FCMA, Director, OPA, and Special guest Mr. Ankur Saha ACA, Manager (Accounts) Transcom, alumni of AIUB, and other faculty members of the department.

The competition was arranged by Mr. Niaz Mohammad ACMA, Assistant Professor, Dr. Kamrul Hasan, Associate Professor; Ms. Sazia Afrin, Assistant Professor; Dr. Fatematuz Tamanna Ahamed, Faculty member. The Department of Accounting extends its profound thanks to the FBA Management for overall guidance related to the competition and for providing valuable support for making the event successful.

FBA Organized Webinar on "Chartered Accountancy: A Career Choice"

On November 26, 2022, a webinar entitled "Chartered Accountancy: A Career Choice" was organized by the Department of Accounting to give the students an opportunity to establish their career in accounting profession. The webinar was arranged by Ms. Sazia Afrin, Assistant Professor, Department of Accounting, Faculty of Business Administration. The main objective of this webinar was to introduce the potential students with Chartered Accountancy profession and its relevance as a great foundation for any leadership position, in business, culture or the charity sector. The resource speaker was Mr. Ataur Rahman, who is a Fellow Member (FCA) of the Institute of Chartered Accountants of Bangladesh (ICAB), having more than 10 years of working experience with KPMG worldwide including KPMG Bangladesh, KPMG Qatar, KPMG USA. Currently, he is working at KPMG LLP, Los Angeles, California, USA as an Audit Manager. He is also a USA CPA Aspirant.

Mr. Ataur talked about the career prospects of a professional accountant. He emphasized how the Chartered Accountancy profession helps in several areas like audit & assurance, financial reporting, tax planning, business case, financial risk management, how to behave ethically or how to face ethical scenarios by having accounting knowledge etc. He also discussed how a certified Chartered Accountant can help in managing the risks of a business and take the business to another level. The seminar was coordinated by Dr. Mohammad Faridul Alam, Associate Professor & Head, Department of Accounting. The Department of Accounting humbly appreciates the openhanded support extended by the AIUB management.



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.

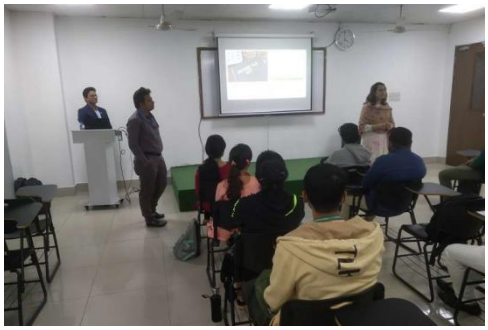
Samia Shabnaz, Senior Assistant Professor, Management Department and Dr. Mohammad Rafiqul Islam Talukdar, Professor, Management Department coordinated the event. The exhibition remained open for all till 2:00 pm on that day.



FBA ORGANIZED WORKSHOP ON PERSONAL INCOME TAX RETURN FILLING

The Department of Accounting, Faculty of Business Administration organized a workshop titled “Personal Income Tax Return Filling” for the students of Principles and Practices of Taxation course on December 11, 2022 [Sunday] in Annex 3. The objective of the workshop was to understand the income tax return submission by the individuals. The key speaker of this workshop was Md. Mohiman ACMA who is the CEO of MM & Co. Cost and Management Accountants. He has experience in tax, VAT, audit, accounting, secretarial, and consulting services for multinational companies, large manufacturers and banking and financial institutions. Prior to founding MM & Co. Cost and Management Accountants firm, Mr. Mohiman also worked in the core Tax team of Snehasish Mahmud & Co. Chartered Accountants firm. He shared practical experiences related to different types of tax, NBR rules and regulations, heads of income for individuals and forms related to income tax return submission.

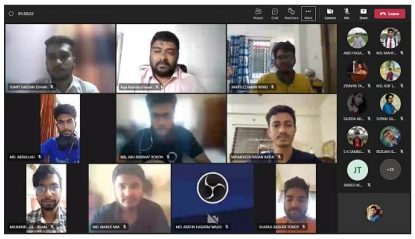
The workshop was arranged by Mr. Niaz Mohammad ACMA, Assistant Professor, Department of Accounting. Dr. Mohammad Faridul Alam, Associate Professor and Head, Department of Accounting discussed the significance of income tax in Bangladesh and handed over the certificate of appreciation to the speaker. Dr. Farheen Hasan, Professor and BBA Program Director, delivered the vote of thanks to the guests.



Workshop on “Advanced Design of Antenna using Novel Nanomaterials”

The AIUB Community of Engineering Students (ACES) organized a workshop titled " Advanced Design of Antenna using Novel Nanomaterials” on Saturday, November 26, 2022. The program began at 11:30 AM with the participation of 51 students through Microsoft Teams. The purpose of the workshop was to give students some practical experience on how they can design antennas in an advanced way.

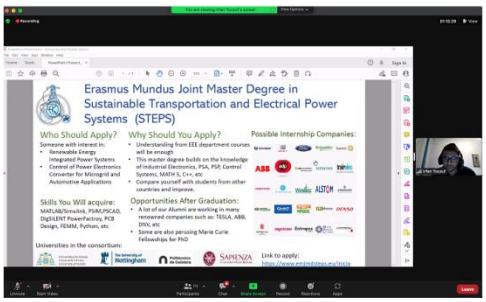
In his opening remarks, Mr. Raja Rashidul Hasan (Assistant Professor, Faculty of Engineering, Department of EEE, AIUB) discussed microstrip antennas. In addition, he mentioned some common materials those are used for antenna design. After that, a short question and answer session was held where he answered the queries raised by the participants. Later, Alumnus of Department of EEE, AIUB Mr. Sumit Hassan Eshan (R&D Engineer, Japan-Bangladesh Robotics and Advanced Technology Research Center -JBRATRC) demonstrated how to design antennas in the CST software. At the end of his session, another short question and answer session was held. After that, a virtual crest of appreciation was given to both the speakers. Finally, the webinar was concluded by thanking everyone for their participation and taking a group snapshot.

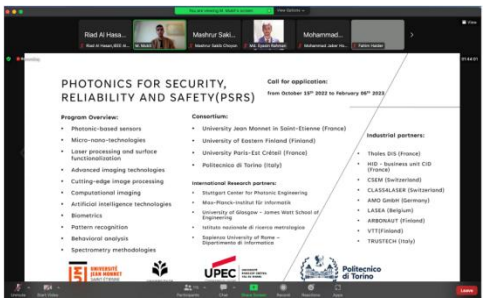


IEEE AIUB Student Branch successfully organized a webinar on “AIUBians On Erasmus”

On Saturday, December 10, 2022, The IEEE AIUB Student Branch organized a webinar on "AIUBians on Erasmus." This webinar's objective was to offer variety of useful insights and recommendations on the Erasmus Mundus scholarship from AIUB alumni on various Erasmus programs.

Dr. Mohammad Hasan Imam Sir, Counselor, IEEE AIUB Student Branch, Advisor, IEEE EMBS AIUB SB Chapter; Associate Professor, Faculty of Engineering, AIUB, inaugurated the seminar. He briefly talked about the Erasmus Mundus scholarship and the conveniences and opportunities of studying abroad. After the inauguration speech, Mashrur Sakib Choyon, Erasmus scholar, EMJMD in Smart Systems Integrated Solutions (SSIs) took the floor. He commenced his presentation by discussing the significance of the webinar for the attendees. Next, S M Ragib Shahriar, Erasmus Scholar, EMJMD in Medical Imaging and Applications (MAIA) talked about his master’s program in Medical Imaging and Applications. Next, Mohammad Irfan Yousuf, Erasmus Scholar, EMJMD in Sustainable Erasmus Transportation and Electrical Power System (STEPS) discussed his master’s program in sustainable transportation and electrical power system. Then Kazi Rony, Erasmus scholar, Master in Renewable Energy in the Marine Environment (REM+) presented details on his master’s program. After his presentation, Dewan Mahnaz Mahmud, scholar, EMJMD in Dynamic of Renewables-based Power Systems (DREAM) briefly talked about the application process of EMJMD and Career opportunities. Following his presentation, Jannatul Mawa Akanto, Erasmus scholar, EMJMD Smart Cities & Communities (SMACCs) talked about her master’s program on in smart cities and communities, the mobility in EMJMD and eligibility to apply for Erasmus. Then Mashrur Sakib Choyon added some important information. Which contained SECCLO, Erasmus + Master’s program in security and cloud computing, Innovation and R&D for focused curriculum and industry and research collaboration. Eyasin Rahman, Erasmus scholar, EMJMD in Embedded Computing Systems (EMECS) then talked about his master’s program, top ranked institutes, core, and elective programs. Next, M. Mukit, Erasmus scholar, EMJMD in Photonic Integrated Circuits, Sensors and NETworks-PIXNET discussed about his program in details, its applications, integrated circuits, sensors, and networks. The final speaker, Mohammad Jaber Hossain, Erasmus scholar, EMJMD in Computational Color and Spectral Imaging (CoSI) talked about computational color and spectral imagining, thesis, and internship. Then, Chowdhury Akram Hossain, Advisor, IEEE AIUB Student Branch, Associate Professor, Faculty of Engineering, Special Assistant, Office of Student Affairs (OSA) delivered the ending speech of the webinar. He talked about foreign scholarships for higher education. He also talked about the roles of IEEE in these fields of study. At the end, he presented virtual tokens of appreciations to all the speakers. The webinar began on ZOOM meeting platform at 6PM and was attended by 120+ attendees.





Poster Competition on Human Rights, Peacebuilding and Sustaining Peace

On Monday, December 5, 2022, the Department of Law of American International University-Bangladesh (AIUB) organized the 1st Intradepartmental Poster Competition on Human Rights, Peacebuilding and Sustaining Peace in the Amphitheater of AIUB campus. A total number of 23 teams participated in this year's competition comprising of 5-6 student members. Prof. Dr. Taslima Monsoor provided the program's leadership, while the other faculty members advised the teams with legal and technical knowledge. The entire event was coordinated by Mr. Md. Khalid Rahman, while Mr. Riasat Azmi was the anchor of the "Closing Ceremony". The law students volunteered to make this event a successful one.

Initially students formed groups and submitted their poster ideas based on the event theme. Later, a short-listed number of students were selected to submit their posters for the final exhibition. The posters were displayed in the amphitheater from 10 am to 2 pm on the competition day. The first runner-up, second runner-up, and winner posters were chosen by the judges based on a set of criteria.

Prof. Dr. Nakib Mohammad Nasrullah, professor of law at the University of Dhaka was present as the 'Chief Guest' of the closing ceremony. Dr. Nakib highlighted the significance and intensity of extracurricular activities in addition to regular studies in his speech. Dr. Nakib also anticipated that more universities should host such events. The event also featured Prof. Dr. Tazul Islam, Dean of Faculty of Arts and Social Sciences (FASS), who inspired the students with a brief but heartfelt remark as the special guest of the ceremony. The welcoming address by Prof. Dr. Taslima Monsoor focused on the significance of the poster competition. Later, the honorable guests gave away crests to the winning teams.

Finally, at the end of the event, Dr. ABM Rahmatullah, Associate Dean, FASS delivered 'Vote of Thanks' to the invited guests, faculties, and students. In his speech, he thanked the 'Chief Guest' for taking the time to visit the university. Dr. Rahmatullah acknowledged the contribution of everyone for making the event successful and expressed his desire for continuing such events in future.

Students of MMC visited GREY Advertising Agency

Founded as a one-man, one-room retail shop in New York City's garment district, Grey Group is now one of the largest global advertising and marketing agency network. GREY Advertising Bangladesh Ltd, the Bangladesh office of Grey Group, is the first and only true global advertising agency in Bangladesh. Being a strict believer in following the global credo of producing "Famously Effective" works, Grey Adverting Bangladesh Ltd has become the most awarded and sought-after agency of the country.

The students of the department of Media and Mass Communication (MMC), American International University-Bangladesh, under the guidance of Mr. Niaz Majumdar, the course coordinator of "Advertising Idea and concept", had visited the only office of Grey International Bangladesh in Gulshan on Thursday, 1st December 2022. The students were greeted with warm welcome by the officials of the largest advertising firm in Bangladesh.

The visit started with a presentation on the history, operations, and goals of Grey International by Mr. Imtiaz Noor Sadi, Account Director & Servicing. Later Mr. Bitop Das Gupta discussed how Grey International operates in Bangladesh and who are their major clients such as, Grameenphone, Divisions of Government offices, Nestle, ACI, Coca-Cola etc.

Grey International helped the students to understand how their tactics of not working as a third-party agency but rather working as an extended Partner of the client help them create a better bond and solve the advertising problems in better ways. They also educated students on various advertising and client problem solving techniques. They taught that they are not only just advertisers rather problem solvers, and the problem in most cases is delivering messages to a target audience. They demonstrated different works of Grey Bangladesh where they had successfully achieved their goals such as, recently, the Coke Studio Bangla is a Brainchild of Grey Dhaka. They started the Coke Studio journey in Bangladesh taking inspiration from Coke Studio Pakistan and then in only one season became the second most successful Coke Studio globally. They solved the problem by increasing Coca-Cola sales by over 40%.

The presentation was concluded with the list of the Awards won Grey Dhaka along with the winning contents. In the second presentation, the Creative Director, K.M Mehedi Hasan Ansari presented how he works as a creative director and shared his tips and tricks with the students.

During the presentations the students had several questions that were answered by Grey Dhaka representatives. Followed by the question answer session the students were allowed to visit the office and workplace of Grey Dhaka and had the opportunity to experience and learn from the industry workers hands on. This experience motivated the students a great deal and some were instantly inspired for their future Internship opportunities in Grey Dhaka.

Discover English 2022: Student Conference on English Language and Literature

The Department of English, American International University-Bangladesh (AIUB), in collaboration with TESOL Society of Bangladesh organized "Discover English 2022: Student Conference on English Language and Literature" with the motto: A conference by the students and for the students! The daylong event took place on Thursday, December 8, 2022 at the AIUB Campus. The conference received an overwhelming response from the students, and a total of 126 research papers from students of BA, MA and MPhil levels from the disciplines of English Language and Literature of 24 public and private universities across Bangladesh were presented at this day-long conference.

Prof. Dr. Biswajit Chanda, Member, University Grants Commission of Bangladesh, graced the event as Chief Guest. Lady Syeda Sarwat Abed, Founder and Senior Director, BRAC Institute of Languages (BIL), BRAC University, Professor Dr. Md. Abdur Rahman, Pro-Vice Chancellor of AIUB and Prof. Dr. Tazul Islam, Dean, Faculty of Arts and Social Sciences, American International University-Bangladesh attended as Special Guests. Mr. Ishtiaque Abedin, Chairman Board of Trustees of AIUB, Dr. Carmen Z. Lamagna, Vice Chancellor of AIUB along with Deans of various Faculties, Directors, Heads of Departments, Teachers, participating students and representatives of affiliated institutions were also present in the event. The Head of the Department of English, AIUB and acting president of TESOL Society of Bangladesh M Hamidul Haque delivered the Welcome Speech.

Mohammad Shams Ud Duha, PhD student at Purdue University, USA delivered the keynote speech titled "Why Do Research?" The keynote session was moderated by the convenor of the conference Akibur Rahman Khan, graduate student, IML, University of Dhaka. Dr. Mian Md. Naushaad Kabir, Head and Associate Professor, Department of English Language, Institute of Modern Languages (IML), University of Dhaka was present as the session Chair and Discussant. There were 32 parallel sessions in the conference and each student received feedback on their paper presentation from experts of the respective fields. 8 papers in four categories received special mention. The conference was organized by the student volunteers of AIUB and TESOL Society of Bangladesh. The vote of thanks was delivered by the convenor of the conference Akibur Rahman Khan. The general secretary of TESOL Society of Bangladesh Hasna Khanom in her concluding speech inspired the participants to contribute meaningfully to the English teaching and learning landscape of Bangladesh. The event was organized with an aim to foster student leadership and to provide a platform for the students to present their research in academia.

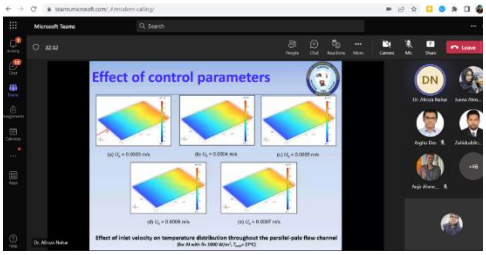
Lecture on “Computational Modeling for photovoltaic Thermal System (PV/T)”

On Dec 8, 2022, the Department of Computer Science, AIUB organized the 14th Session of the Computing Lecture Series. The session was conducted through online platform MS Teams at 11:30 AM. The aim of the Computing Lecture series is to share and discuss research works of faculty members of computer science within the department to stay up to date with the current research trends. In addition, this type of event assists early-stage researchers and young faculty members of the department particularly, so that they can engage themselves with the experienced researchers of the department to better organize and structure their research activities.

In this 14th session, the research talk was presented by Dr. Afroza Nahar (Associate Professor, Dept. of Computer Science). Dr. Afroza Nahar has very good knowledge and experience on research works, especially in the field of Computational Modeling and Thermal System. As an experienced researcher, she presented her research talk on “Computational Modeling for photovoltaic Thermal System (PV/T)”.

There was a lively discussion session after the presentation where faculty members actively participated with their thoughts and views on the presented topic, particularly in the direction of photovoltaic Thermal System.

The event was graced by the presence of Mr. Mashiour Rahman (Sr. Associate Professor and Associate Dean, FST) and Prof. Dr. Dip Nandi (Professor and Director, FST). On behalf of Computer Science Department, the session was moderated by Dr. Md. Abdullah - Al - Jubair, Head In-Charge (Undergraduate), Department of Computer Science.

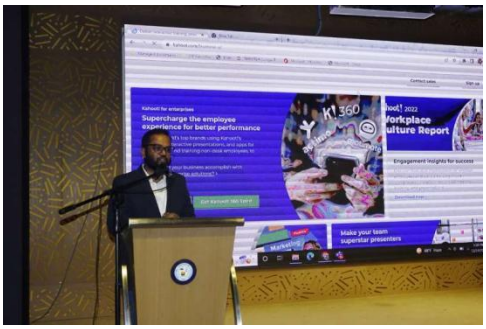


Seminar on "Be a Future-Fit Leader" - Dr. Anwarul Abedin's Lecture Series

The Department of Marketing, Faculty of Business Administration (FBA), American International University-Bangladesh (AIUB), organized a seminar under the Dr. Anwarul Abedin's Lecture Series titled "Be a Future Fit Leader" on November 14, 2022.

The program started with the inauguration speech delivered by Prof. Dr. Nisar Ahmed, Director, MBA Program where he addressed the significance of Future Leadership. Dr. Yesmin Sultana, Associate Professor, Department of Marketing, FBA, paid tribute to the late Dr. Anwarul Abedin, Founder Chairman of AIUB. She also introduced the keynote speaker, Mr. Solaiman Alam, Chief Digital and Strategy Officer, Grameen Phone. Mr. Alam is an experienced leader in the corporate sector with a successful track record in digital channels and services, strategy, marketing, product management, brand management, trade marketing, and sales. He has been instrumental in building Grameenphone as the number one brand and market leader, with more than USD 1 billion in revenue in the mobile telecommunication sector.

During the session, Mr. Alam discussed the most significant impact of 4IR will be felt in the labor market. Low-skilled and repetitive works will be carried out by machines. Machines will be able to work better and faster. Of course, new types of jobs will emerge with higher productivity and higher pay. He also mentioned the top strategic technology trends that must be followed to be an effective leader in the future. The speaker introduced Grameen Phone and its operations in Bangladesh from a strategic perspective. Mr. Alam provided a comprehensive overview of the various strategic leadership practices. He suggested that participants not think from a business perspective but think from the customers' point of view and focus on innovation in every aspect. Mr. Roomee Tareque Moudud, Director, Office of Placement and Alumni, delivered the Vote of Thanks. Associate Deans, Directors, Heads, and faculty members of different departments, key officials, and students of different programs also attended and enjoyed the event.



Pedagogy Workshop in the Department of English

On Wednesday, 30th November 2022, the Department of English, AIUB organized a workshop on pedagogy of English utilizing technology in the classroom with a special focus on online ESL classes. In education, technology has become a part of teaching tools as well as a support for learning. Implementing technological tools and apps has become a good approach to scaffold learning. In this respect, in particular in grammar learning, educators can integrate the use of technology to assist students and to polish their understanding on grammatical concept. One of the technologies is Padlet, an online virtual website application where a language can work on an idea or engage the students in activities for learning English better.

Mr. Mehedi Hasan, a lecturer in the department of English, AIUB, conducted the workshop. According to him, Padlet works very well with classroom interactive activities such as brainstorming, discussion and project work. With any internet-enabled devices such as smartphone, tablet, and computer with internet connection, Padlet can be used and there is no software needed to be downloaded to use Padlet. Mr. Mehedi also shared his personal experience with Padlet and mentioned the effectiveness of using Padlet for teaching and learning English language in the classroom.

The workshop started with the speech of Professor Dr. Tazul Islam, Dean, Faculty of Arts and Social Sciences in the presence of the Head of the Department, M. Hamidul Haque and other faculties and students. Mr. Prodhan Mahbub Ibne Siraj, an Associate Professor in the Department of English moderated the session. Enthusiastic and jubilant participation of the students made the event a success.

The English Day

On 24th November 2022, the department of English, AIUB organized 'English Day', an event based on three categories of speaking performances- 'Public Speaking', 'Turn The coat' and 'Impromptu Speech' with a view to accelerate the students' speaking efficiency, to inspire and to aid them to apprehend the significance of speaking in English at present time. Only the students of first and second semesters of different schools of AIUB were allowed to participate in the event. The event was inaugurated by Professor Dr. Tazul Islam, Dean, Faculty of Arts and Social Sciences in the presence of the Head of the department, M Hamidul Haque and other faculties and students. Altogether, 45 students participated in multiple screening sessions for 3 consecutive days before the final day and 7 students for each category had been selected respectively for the final round. The final round was adjudicated by the faculty members Ferdousi Begum (Assistant Professor, Department of Law), Bohi Shahjahan (Senior Assistant Professor, Faculty of Business Administration) and Borendra Lal Tripura (Assistant Professor, Department of English). The Champions and Runner ups for each category were awarded with trophies and all the participants received certificate of appreciation for participating in the event. A short cultural program was arranged by the students of the department towards the closing of the event. This event was an enthusiastic venture by the members of cultural sub-committee of the department of English and was coordinated by Shihab Saqib, Assistant Professor of the department. Energetic and jubilant participation of the students made the event a success.

FBA, AIUB Organizes Meet n' Greet for the Freshers - Fall 2022-2023

The Faculty of Business Administration (FBA), AIUB, organized an interactive session entitled "Meet n' Greet - the FBA Family" for the BBA Freshmen Students of the Fall 2022-2023 Semester on Wednesday, October 19, 2022, held at the Multi-purpose Hall, Building D. The program was attended by the BBA Freshmen students, the faculty members, the Department Heads and representatives, and the Undergraduate and Graduate Program Directors, FBA. The program's objective was to welcome and have an information-sharing session for the BBA Freshmen Students of this ongoing semester. The session commenced with a welcome speech by Prof. Dr. Nisar Ahmed, Director of the Graduate Program, FBA, followed by inspirational remarks by Prof. Dr. Farheen Hassan, Director of the Undergraduate Program, FBA. The speakers welcomed the students to AIUB and motivated them to excel in their tenure of studies and adore the serenity of the beautiful AIUB campus.

The emcee of the program, Ms. Shahnaz Zarin Haque, Assistant Professor, Dept. of OSCM, FBA, further carried out the session by giving a synopsis of the session. After the introductory discussion, Dr. Mohammad Faridul Alam, Head, Dept. of Accounting, briefly explained the various FBA degree programs and other academic issues. The session continued with a discussion of the different student-based activities informed by Dr. Khondaker Sazzadul Karim, Head, Dept. of Marketing and THM. The session ended with a lively dance and song performances by the members of the AIUB Performing Arts Club (APAC). The students actively participated and enjoyed the overall arrangements. The FBA, AIUB, is especially thankful to the AIUB Management, Administration, and Office of Student Affairs (OSA) for their support in arranging the session successfully.

Law Students visited Dhaka Judge Court

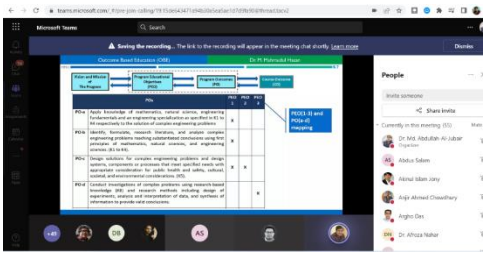
On November 23, 2022, the AIUB Department of Law arranged a study tour to the Dhaka Judge Court to gain and enhance their legal and practical knowledge on "Trial Procedure of Civil Courts." A delegation of 40 AIUB law students and a faculty member attended the court. The team left the Permanent campus in Kuril at 7:30 a.m. and arrived at the court about 8:30 a.m.

Mr. Jakir Hossain, Senior Assistant Judge, Savar Court, Dhaka welcomed the AIUB law students on behalf of the Dhaka Judgeship. Following the welcome, the briefing session began at the 09:30 am. Mr. Jakir Hossain delivered a brief on the importance of civil judiciary focusing on the use of evidence in the trial. He underlined the need of appropriate methods of service of summons for civil suits. Following the briefing, the Honorable Senior Assistant Judge answered students' questions on a variety of professional, legal, and practical issues.

Following the initial briefing, students took their seats in the courtroom. In real life, students learned and experienced filing a civil suit, trial session, examination and cross examination of witnesses, methods of service of summons, and so on. After the courtroom experience, there was a QA session. Mr. Jakir Hossain answered the queries raised by the students and provided legal explanations. Altogether this real-life practical learning experience lasted for four hours covering introductory session, trial session and QA session. Later, students were allowed to see the Dhaka Judge Court compound. The visit concluded with a group photo with Mr. Jakir Hossain in front of his court room. The trip was incredibly relevant, instructive, helpful, and beneficial for AIUB Law students.

Lecture on "Fundamental of OBE"

On Nov 24, 2022, the Department of Computer Science, AIUB organized the 12th Session of the Computing Lecture Series. The session was conducted through online platform MS Teams at 12:30 PM. The aim of the Computing Lecture series was to share and discuss on academic area such as outcome-based education (OBE) among faculty members of computer science within the department to stay up to date with the current academic trends. In addition, this type of event assists young faculty members of the department particularly, so that they can engage themselves with the experienced academic of the department to better organize and structure their academic activities. In this 12th session, the dynamics of OBE was presented by Dr. M. Mahmudul Hasan (Associate Professor, Dept. of Computer Science). Dr. M. Mahmudul Hasan has very good knowledge and experience on outcome-based education (OBE). As an experienced member of OBE committee of CS dept, he presented his knowledge and experience on "Fundamental of OBE". This session will help the faculty members to implement OBE more efficiently on their respective courses. There was a lively discussion session after the presentation where faculty members actively participated with their thoughts and views on the presented topic, particularly in the direction of OBE implementation. The event was graced by the presence of Mr. Mashiour Rahman (Sr. Associate Professor and Associate Dean, FST) and Prof. Dr. Dip Nandi (Director, FST). On behalf of Computer Science Department, the session was moderated by Dr. Md. Abdullah - Al - Jubair (Head In-Charge, Undergraduate, Department of Computer Science).



AIUB Hosted Space Robotics Workshop

On October 22, 2022, the American International University-Bangladesh (AIUB) hosted an exceptional workshop titled "'Space Robotics Workshop" which was organized by the Bangladesh Innovation Forum and Space Innovation Camp. 100 children aged between 4 to 16 years from different schools participated in this event.

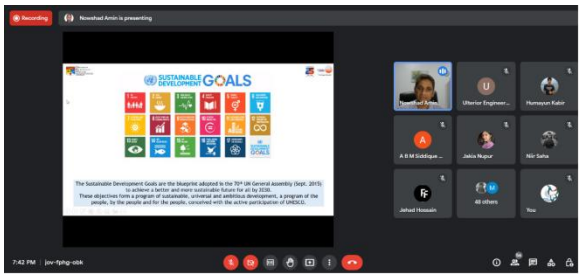
Bangladesh Innovation Forum President Mr. Ariful Hasan Apu welcomed all the participants and guests. He said, in this workshop, children will be shown the various activities of space robotics and also through this workshop they will learn teamwork and develop problem solving skills. The workshop started at 2 PM where all the participants gained hand on experience on how to make robots by themselves with the assistance of mentors. All children were divided into small groups led by mentor. Later they demonstrated the robot they made by themselves in front of the guests. Mr. Azadul Haque, the former system administrator of NASA, was present as the chief guest in the program. He said that the robotics workshop being held by these children today is sowing a seed of science and technology in the minds of the children. The results will start coming in 10 to 15 years by starting today. Professor Dr. Md. Abdur Rahman (Associated Dean, Faculty of Engineering, AIUB & Adviser, Bangladesh Innovation Forum) thanked Bangladesh Innovation Forum and Space Innovation Camp for organizing this innovative event at AIUB. He also thanked the guardians for encouraging their children to participate in this event.

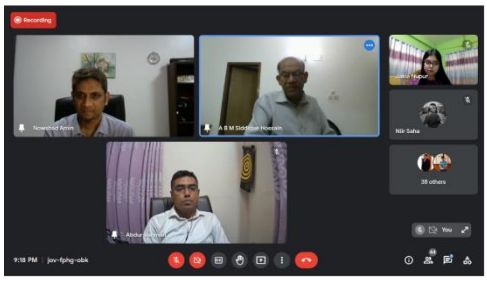
Webinar On "Solar PV Energy Towards Carbon Neutrality By 2050"

On Monday, November 7, 2022, the Engineering Students Association of Bangladesh (ESAB) AIUB Unit Face successfully organized a webinar on "Solar PV Energy Towards Carbon Neutrality By 2050" by using online platform google meet. The session began at 7:00 PM with more than 70 attendees. The program started with the opening remarks by Prof. Dr. A.B.M. Siddique Hossain (Dean, Faculty of Engineering, AIUB). In his speech, he emphasized the significance of carbon neutrality and the impact of solar PV on building a sustainable and environmentally friendly world.

After that, the floor was given to the distinguished speaker, Dr. Nowshad Amin (Professor, Institute of Sustainable Energy, Universiti Tenega Nasional |@UNITEN, The Energy University| & Chief Advisor Ulterior Engineering Intl). In his speech, he began by explaining the fundamentals of the solar cell and the potential of renewable energy to reduce the amount of carbon in the environment. In the middle, he discussed the various kinds of solar cells and their respective efficiencies. In addition, he addressed the evaluation of solar panel size, grid-connected solar PV residential systems, and several other problems. Aside from that, he spoke about the benefits of solar-powered technologies and their importance in the world's long-term development for people. Lastly, he talked about the steps we as humans need to take right now and the responsibilities that governments and other climate-related world organizations need to take to make the world a better place to live and ensure carbon neutrality by 2050.

After that, the Advisor of ESAB AIUB Unit Face, Prof. Dr. Md. Abdur Rahman (Associate Dean, Faculty of Engineering, AIUB), gave the closing remarks and shared his valuable experience and knowledge on solar PV and its importance to carbon neutrality by 2050 with the participants. Afterwards, a virtual token of appreciation was presented to the distinguished speaker.





Seminar on “International Day of Medical Physics & World Radiography Day”

On Tuesday, November 8, 2022, the Center for Biomedical Research (CBR) of Dr. Anwarul Abedin Innovation Institute, AIUB in collaboration with the IEEE Engineering in Medicine and Biology Society AIUB SB Chapter, successfully organized a seminar session titled " International Day of Medical Physics & World Radiography Day.". The purpose was to increase public understanding of the significance of physics in the healthcare system and promote public awareness of radiographic imaging and therapy.

The program was inaugurated by Prof. Dr. Md. Abdur Rahman, Advisor, IEEE AIUB Student Branch; Associate Dean, Faculty of Engineering, & Director, Dr. Anwarul Abedin Institute of Innovation, AIUB. He talked about the importance of medical physics, instrumentations, and radiation. He also spoke about the fields of Biomedical & Physics being related. After the inauguration, Dr. Humayra Fredous, Deputy Director, Center for Biomedical Research, Dr. Anwarul Abedin Institute of Innovation ; Head-in-charge & Associate Professor, Department of Physics, AIUB, gave a brief remark on the International Day of Medical Physics & World Radiography Day. She mentioned that World Radiation Day and the International Day of Medical Physics are being observed for the first time in AIUB. Then she talked about Marie Curie and her inventions, usage of radiation & radiotherapy, cancer treatment and fatalities and few other important issues. After that the event speaker, Dr. S.M. Hasan Mahmud, Assistant Professor, Department of Computer Science, AIUB, took the stage. He greeted and thanked everyone for joining the session. He started the discussion with a machine learning-based approach to computational drug discovery. He also talked about feature extraction, balancing & model training phase. Before that, he described the bioinformatics & drug target data processing phase. There was a detailed discussion on using bioinformatics and machine learning algorithms and their real-life applications. The session ended with Prof. Dr. Mohammad Abdul Mannan, Advisor, IEEE AIUB Student Branch & Director, Faculty of Engineering, AIUB, presenting the token of appreciation to the honorable speakers. The event was jointly organized by Centre for Biomedical Research, AIUB and IEEE Engineering in Medicine and Biology Society AIUB SB Chapter and was attended by more than 50 participants.

Seminar On "Prospects and Challenges of Fourth Industrial Revolution: Are We Ready?"

On Monday, November 14, 2022, the Engineering Student Association of Bangladesh (ESAB) AIUB Unit Face successfully organized a seminar titled " Prospects and Challenges of Fourth Industrial Revolution: Are We Ready? ". The program started at 3:30 PM with more than 80 participants at Media Studio, Annex-2.

The session was begun with the opening remarks by Prof. Dr. A.B.M. Siddique Hossain (Dean, Faculty of Engineering, AIUB). He described how the Fourth Industrial Revolution is now building on the Third Industrial Revolution -the "digital revolution," which reflects new ways in which technology gets ingrained in communities and even the human body. After that, the honorable speaker, Prof. Dr. Md. Iqbal Mahmud (Chairman, Department of Mechanical Engineering, Mawlana Bhashani Science and Technology University), first discussed the features of 4IR. Then he also discussed the driving forces of industry 4.0, such as artificial intelligence, blockchain, robotics, the internet of things, big data analytics, nanotechnology, biotechnology, and many more. In addition, he went into detail on the possible effects and prospects of Industry 4.0, notably mentioning Bangladesh's potential benefits from the 4IR. Afterwards, he discussed the difficulties posed by 4IR in the labor market and education sector. Lastly, he addressed the top ten talents based on the 4IR and highlighted the actions taken by the Bangladeshi government to prepare its workforce for the 4IR.

After that, the advisor of ESAB AIUB Unit Face, Prof. Dr. Md. Abdur Rahman (Associate Dean, Faculty of Engineering, AIUB), gave the closing remarks and shared his valuable experience and knowledge on 4IR and how AIUB is contributing and preparing their students to face the biggest challenges and opportunities. Later, he handed over the token of appreciation and certificates to the speaker. He also presented a token of appreciation to honorable guest Mohammad Imran Hossain (Chairman of the Mars Group and Former DGM and HOD of Construction, Energypac Engineering Ltd.).

Intra-AIUB Art Exhibition by AIUB Arts Club

The AIUB Arts Club (AAC) arranged an Intra-AIUB Art Exhibition at the ground floor lobby of Building D from October 16 to October 20, 2022. Out of an overwhelming submission of 170+ paintings from students across all the departments, finally 52 painting were selected for display in the exhibition. Dr. Carmen Z Lamagna, Vice Chancellor of AIUB visited the exhibition several times, by herself and also while accompanying guests from the Philippines embassy. Faculty members, students and officials visited and appreciated the paintings of students. Prof. Dr. Siddique Hossain, Dean, Faculty of Engineering, accompanied by Prof. Dr. Abdur Rahman, Associate Dean, Faculty of Engineering and Mr. Mashiour Rahman, Associate-Dean, Faculty of Science and Technology distributed certificates among the members of AIUB Arts Club at the end of the exhibition.

Photography workshop by AIUBPC

On October 18th, 2022, AIUB Photography Club (AIUBPC) organized a workshop titled "Portrait photography, lighting techniques, and event coverage". The workshop was conducted by AIUB Alumni Fahim M. Islam and Sohel Mahmud. The program took place in Annex 3 at 3.30 pm. The workshop began with a brief introduction of a respected individual, director and lead photographer of K. Nasif Photography: Wedding and Events, Mr. Sohel Mahmud. Following his introduction, he shared some memories from his past experiences at different events. Later, the participants learned about several important aspects of portrait photography, such as gear requirements, lighting techniques, the usage of different types of lights, some unique frames, and so on. Then, he showed the participants some of his previous works. Following Mr. Sohel, Mr. Fahim M. Islam, former president of AIUBPC, director and one of the lead photographers of K. Nasif Photography: Wedding and Events, enlightened the participants. He also discussed several vital aspects of event coverage as well as lighting techniques and shared some of his experiences. He encouraged the participants to polish their talents and showed everyone some of his phenomenal work. At the end of their presentation, a short question and answer session was held where both speakers addressed all the queries raised by the participants. Later, all the registered participants were awarded certificates by the speakers. At the end, both of the speakers were honored with tokens of appreciation, and all the participants gathered for a group picture with the speakers while cheering for a productive and successful workshop.

Workshop on Travel Photography by AIUBPC

On Wednesday, 12th October 2022, AIUB Photography Club (AIUBPC) organized a workshop titled "Travel Photography by Jubaer Talukder" in the Multipurpose Hall of D-Building in the AIUB campus. The program started at 3:30 PM with around 250 pre-registered participants. Renowned filmmaker and content creator, Jubaer Talukder conducted the workshop. He gave the participants an overview regarding his lifestyle as a travel photographer. Following his introduction, he shared some memories from his past experiences in different parts of India and Nepal. Later, the participants got to know several crucial aspects of travel photography, such as gear requirements, research before visiting a particular place and so on. Then, he showed the participants one of his most famous travel vlogs as an example to give them an idea regarding film-making. At the end of this presentation, an interactive question and answer session was held where the speaker addressed all the queries raised by the participants. All participants were awarded certificates by the speaker as appreciation of their dedication towards photography. At the end, the speaker was honored with a token of appreciation from AIUB, and all the participants gathered for a group photo with the speaker while cheering for the successful workshop.

Workshop On Importance Of Ms Excel In Business

The Department of Accounting, Faculty of Business Administration, organized a workshop on October 27, 2022 [Thursday] for the major students of Accounting Information System (AIS) course from 11:00 am to 12:30 pm. The objective of this workshop was to understand the importance of the MS Excel in Accounting and Finance. The key speaker of the session was Mr. Shah Alam MCT, MOS. Mr. Shah Alam is a Microsoft Certified Trainer and Microsoft Certified MS Excel Specialist. He is the founder and Chief Training Officer of “Dikkha: Training and Consultancy”. He has almost eleven years of corporate experience at Lanka Bangla Finance Ltd and IDLC Finance Ltd. He received “Individual Aptitude Award” for designing different MIS reports. During the workshop, Mr. Shah Alam showed different modules like creation of accounts, excel table, creating pivot table, journal, trial balance and financial statements. Students also practiced in the computer lab during the workshop and learned how to use Excel in preparing different reports. This seminar was arranged by Mr. Niaz Mohammad ACMA, Assistant Professor, Department of Accounting. Dr. Mohammad Faridul Alam, Associate Professor and Department Head, Accounting. Mr.Farid discussed the significance of MS Excel for generating management reports. Dr. Farheen Hasan, Professor and BBA Program Director, delivered the vote of thanks with closing remarks. The session was very interactive and ended with providing a certificate of appreciation and gift pack to the distinguished speaker.

Bangladesh Education Forum 2022 – internationalization campaign of higher education

AIUB presents Bangladesh Education Forum 2022 was inaugurated by Mr. Mohibul Hassan Chowdhury, Honorable Deputy Education Minister of Bangladesh at the Crown Plaza, Deira, Dubai, UAE on November 4, 2022. A number of Bangladeshi universities participated at the international conference held in Dubai from November 4-6, 2022. Mr. Ishtiaque Abedin, Honorable Chairman of the Board of Trustees, AIUB led the team from AIUB comprising of Ms. Shania Mahia Abedin, Member, Board of Trustees, Mr. Manzur H Khan, Director, Office of Student Affairs, Md. Abu Miah Akanda Tuhin, Assistant Director, Public Relations, and Mr. Golam Kashfque Ayaseen, Officer, Admission Information.

Dr. Bishwajit Chanda, Honorable Member of the University Grants Commission (UGC), Bangladesh along with Chairmen, Vice Chancellors, Pro-Vice Chancellors, Registrars, Directors, Faculty Members and officials from various universities were present in the conference. Bangladesh Education Forum 2022 – the first-of-its-kind international conference to underline the success of the higher education sector of Bangladesh is aimed at re-positioning Bangladesh as a high-quality and cost-effective higher education destination in the world.

Honorable Deputy Education Minister, Mr. Mohibul Hassan Chowdhury highlighted that graduates from Bangladeshi universities are getting employed by the Fortune 500 companies and many have taken leadership positions in the world's top global corporations – that reflects the quality of our education. We are doing well, and it is high time we let the world know about it. He urged all the higher education institutions to work closely to promote the industry at the global level.

In his opening speech Mr. Ishtiaque Abedin, Chairman, AIUB Board of Trustees expressed that there is a big gap between Bangladeshi diaspora in different countries and our universities. Bangladesh Education Forum will bridge the gap to develop a close relationship with the Non-Resident Bangladeshi (NRB) community with the higher education stakeholders of the country. He also stressed on the fact that it is time change the perception of higher education sector in the global arena. Dr. Bishwajit Chanda, Honorable UGC Member presented a keynote speech on the higher education sector of Bangladesh in the inauguration ceremony, where he informed that the UGC work closely with the universities to ensure the quality of education. Universities of Bangladesh have matured, and they can now expand internationally and attract foreign students. UGC's role is to ensure that they do things right.

There were several panel discussions, information sessions, presentations, and interactions among the stakeholders of higher education in this over 3 day long inaugural event. Mr. Akanda and Mr. Kashfique visited several high schools at Dubai, Abu Dhabi, Sharjah and Ras Al-Khaimah. Bangladesh Education Forum 2022 is a joint initiative by Pan Asian Group (UAE) and managed by Spiral World (BD). Bangladesh Education Forum is supported by Bangladesh Government's Ministry of Education, the University Grants Commission, the American International University-Bangladesh (AIUB) and the Association of Private Universities of Bangladesh (APUB).

Training on MS Excel

The Training & Development section of the Human Resources Department, AIUB (HRD) organized a three-day long training program on 'Microsoft Excel' for all officials of AIUB on 28, 29 and 31 of August 2022. After successful completion of the training program, all participants were awarded an achievement certificate after they have gone through individual assessment.

Although most of AIUB officials are already familiar with many of the Microsoft Excel abilities, but this training helped them to improve their productivity by completing their official tasks more professionally. Around 70 officials took part in the training program.


Training on Value Added Tax

The rules regarding the administration of Value Added Tax (VAT) have undergone significant changes over the last few years. With busy day-to-day role, it has become very challenging to keep up-to-date with the latest rules. On this context, the Training & Development section of the Office of Human Resources, AIUB arranged a training program on 27th of August 2022 for all officials of the Accounts, Audit, and Purchases & Procurement team.

Dr. Abdul Mannan Shikder, Member (Grade 1), Customs Audit, Modernization & International Trade of National Board of Revenue (NBR), Bangladesh was the facilitator of this training session. He highlighted all recent and upcoming changes to VAT.

This training helped to determine how VAT can be recovered under the exemption rules. Participants were informed about the latest guidance and some key problem areas particularly from AIUB's perspective. The knowledge and awareness gained from this training would help participants to minimize errors during their official tasks of VAT processing. At the end of the session, Mr. Kh. Sabbir Kabir, Director, Finance, AIUB handed over a token of appreciate to the facilitator.



Delegation from AIUB visited Bangladesh Accreditation Council (BAC)

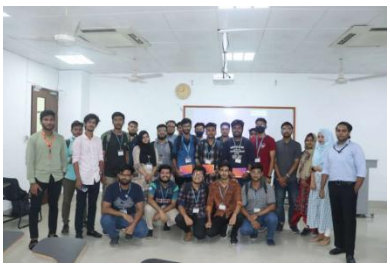
On 24 October 2022, a delegation from American International University-Bangladesh (AIUB) visited the Bangladesh Accreditation Council (BAC) to congratulate Prof. Dr. Mesbah Uddin Ahmed for his re-appointment as the Chairman of the council. The delegation included Prof. Dr. Md Abdur Rahman, Associate Dean, Faculty of Engineering, Prof. Dr. Nisar Ahmed, Program Director [Graduate], Faculty of Business Administration and Prof. Dr. Dip Nandi, Director, Faculty of Science and Technology, AIUB.

The participants of the meeting discussed in detail the role of outcome-based education (OBE) for enhancing the quality of higher education in Bangladesh. The AIUB team has informed the current OBE practices along with Objectives and Outcomes of various programs at AIUB. All the programs of AIUB have updated their curriculum according to the Bangladesh National Qualification Framework (BNQF) and the revised OBE template of University Grants Commission (UGC). The respected Chairman has appreciated the efforts of AIUB for the commitment toward quality education and shared his ideas for further improvements.

Workshop on design thinking and ideation on Applink

A workshop on “Design thinking and ideation on Applink” was arranged by the AIUB Computer Club (ACC) and was held on July 24th, 2022, at 11 p.m. The workshop was held in Annex 3, AIUB. The workshop was hosted by a member of the Applink team.

The main purpose of the workshop was to bring out interesting ideas for the new generation. All the participating students of the workshop divided into small teams each containing three members. Each team was given a task to generate idea that can improve the technology in Bangladesh. After brainstorming, all the teams presented their ideas and the Applink team chose the best 2 ideas from the students and were awarded gift hampers by the Applink team. At 2 PM, when the workshop finished the audience highly appreciated the knowledge they gathered and thanked the applink team for their valuable time.



AIUB Computer Club Organized a Seminar on Blockchain Technology and Call for Participation in BCOLBD 2022

A Seminar on 'Blockchain Technology and Call for Participation in BCOLBD 2022' was arranged by AIUB Computer Club (ACC) that was held on 27th March 2022 at 2:30 PM. The Seminar was held in the Multipurpose Hall, D Building, AIUB. Mr. K Atique-e-Rabbani, Managing Director, The Computers Ltd and Chief, BARED-Blockchain Academy of Research, Education, and Development, Md. Al-Amin, Founder, Deepchain Labs, Lecturer, CS, Blockchain and web3 Architect, System Analyst, Technical Lead, Md Mehedi Hassan Onik, Lecturer, AIUB, Mr. Ashiq Zaman, Chief Advocacy Officer, BCOLBD, Executive Director, Peoples Energy Ltd & Director, Peoples, Abhijit Bhowmik, Co-Chairman of BASIS Standing Committee on Local Market, Chairman at Workspace Infotech, Association Professor, CS, AIUB, and Tahmina Sharmin, Secretary, BCOLBD, & Head of QAC, Technohaven Company Ltd were present as the speakers. The hosts of the seminar, Tahsinul Hoque, Assistant General Secretary - Media and Publication, ACC and Samiha Hossain, General Member, ACC welcomed everyone and invited Mr. Onik on stage for his speech.

Mr. Onik briefly introduced himself before describing the Blockchain Technology. He explained the method, pattern, and structures of blockchain with clarification. He also highlighted the impact of blockchain in future world. After his speech, Mr. Rabbani took the floor and started his speech with a song to cheer up the audience. He described the process of blockchain and how it works, how a system is managed, protected, secured, and how privacy works through blockchain. He compared Blockchain with different phases of Computer Engineering. He mentioned AI, Database, Ethereum Development, and Blockchain in the seminar. How corruption could be prevented by Blockchain and how people could build their careers on Blockchain was also mentioned by the speaker. Mr. Al-Amin then talked about the Olympiad of Blockchain that is known as 'BCOLBD'. He gave detail information about the upcoming Olympiad. He also mentioned about the success of AIUB students in previous Olympiad, wherein the top 10 teams 5 were from AIUB. He informed about team formation and participation in the competition, like, how to work in a team, and how to manage given tasks. Later, Mr. Zaman showed the audience the procedures for registration for the next Olympiad of BCOLBD 2022. In the concluding speech, Ms. Sharmin highlighted how participation in the Olympiad could be helpful and beneficial for the students.

A Workshop on 'Android Development'

With the ever-growing popularity of portable devices, the demand for mobile based operating systems and applications is going up exponentially. Keeping this in mind the AIUB Computer Club (ACC) arranged a workshop on 'Android Development' to grow the interest of this demanding sector among ACC members. Abdul Al Mahmud Riaz, Junior Software Engineer, PencilTech and former Executive, BASIS AIUB Student's Chapter conducted the workshop on 13th June 2022 at the American International University-Bangladesh (AIUB) Campus.

Tanvir Ahmed, a general member of ACC commenced the workshop by giving a short introduction of the speaker. Mr. Riaz started the workshop with a brief discussion on Android Operating System. He mentioned the workshop is being conducted under the patronage of the Huawei Student Developers Community. He gave a brief demonstration on how to open a Huawei Developers account. The main topic of the session covered HMS Core Map Kit, use cases and features of the kit. He also described map interaction like icons and gestures on the system.

The session came to end with an interactive Q&A session. The speaker, Abdul Al Mahmud Riaz answered all the questions in details. There were 32 registered attendees in the workshop.

ACC organized seminar on Cyber Security & Social Awareness

On 12th October 2022, in the month of Cyber Security Awareness, a seminar named "Cyber Security & Social Awareness Program 2022", was conducted by Carrer Pro BD, a Training and Development organization in collaboration with the AIUB Computer Club. The event was titled "It's Easy to Stay Safe Online". The event partners were FOGG, Pepsi, GLOBAL VISION, DigiFix, Ahmed, and AIUB Computer Club. The media partners were BANGLA VISION, Kalbela, and SHADHIN 92.4 FM. Objectives of the program were creating more awareness about Cyber Security, clearing up confusion regarding Cyber Security and evaluating the importance and necessity of Cyber Security in modern world. The event was sectionized into several key sections. With the motto of fulfilling the objectives of the program three panelists Aklima Yeasmin, General Manager, HR & Administration, R-PAC International, Jahanara Akhter Shinu, HR Business Partner, Bestseller, and Md. Fazle Farazee, Senior Manager (Head of HR), Corporate HR Department, Esquire Electronics Limited took the floor to educate the audience about the fundamentals of Cyber Security, the importance of it and the way of achieving the security. Ms. Yeasmin started her part by giving a brief overview of today's world. She said that everything is going to be engulfed in the virtual world in near future. Then she talked about the importance of data management in business planning and continuity. Afterward, Ms. Shinu talked about the ratio of various communication platforms people use and highlighted that 70% of the time people communicate through emails. She also gave some ideas about policy in cyberspace, the code of ethics, and data ethics. After that, Mr. Farazee uttered some valuable awareness policies of cyberspace. He talked about the relevance of maintaining password and never sharing it. Later, he gave a broad overview of data security, precautions against hacking, employee awareness, and need of saving data every 15 days. Ms. Yeasmin articulated to stay away from using free Wi-Fi and third-party cyber security control applications and programs. Later, Ms. Shinu also advised the audience not to share CVs from CV banks. Their session of speech ended by the awareness quote of Ms. Shinu. She ended the session by saying "Stop, Think & then Click".

The host of the event, Ms. Biswas addressed the second session speakers and guests Touhidul Islam Khan Shoikot, Deputy Director at Bangladesh Bank, and Tanwita Ghosh, Consultant, Psychotherapy & Counselling, Bangladesh Psychiatric Care Ltd (BPCL). Mr. Shoikot evaluated the importance of cyber security in his speech. He also talked about the legitimate process of having help in solving one's cybersecurity-related issue. He talked about the necessities and tackling cybercrime. He introduced the audience how fast the cyber security concern is growing in modern world. The second speaker Ms. Ghosh conveyed the health awareness for both physical, mental health. She also talked about the relationship among biological, social, and psychological aspects which work as a stabilizer for mental health. During the sessions a small quiz contest was arranged and that made the event more engaging for the participants. The participants who became the winner were awarded with gift hampers. All the speakers welcomed questions from the participants and a good number of responses were received from the audience. At the end of the seminar, Abhijit Bhowmik, Associate Professor and Special Asst., Office of Student Affairs, AIUB, talked about his view on cyber security awareness and its importance. Mr. Bhowmik thanked the organizers, media partners, and guests to make this awareness program happen. Later, he handed over some token of appreciations to the guests and organizers. Over 200 participants were present in the event and made the event successful.

Seminar on "Marketing in the 21st Century"

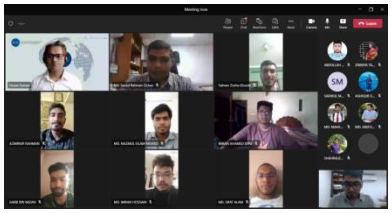
The Department of Marketing, Faculty of Business Administration (FBA), AIUB, organized a seminar entitled 'Marketing in the 21st Century' on October 03, 2022, at the AIUB Multipurpose Hall 1, Building D, AIUB Campus. The guest speaker of the session was Mr. Md. Quamrul Hassan, Business Director, Consumer Brands, ACI Limited. The session was attended by more than 150 students from the different BBA core and Marketing Major courses, faculty members from the FBA and FASS, members of AIUB Business Club, and company representatives from ACI Limited. The session commenced with a welcome speech by Prof. Dr. Tazul Islam, Dean-in-charge, Faculty of Business Administration (FBA). After that, the program's EMCEE, Mr. Mahmudul Hasan, Lecturer, Department of Marketing & THM, FBA, invited Mr. Md. Quamrul Hassan and delivered a brief about his corporate portfolio and current job responsibilities. ACI Limited is one of the largest corporate conglomerates in Bangladesh and has successfully launched and managed many renowned brands like ACI Aerosol, Pure Food Products, Savlon Antiseptic products, Freedom Sanitary Napkin, etc.

Mr. Quamrul addressed the seminar's audience with an interactive presentation and discussion of the different dimensions of Marketing that evolved and are practiced in the 21st century from both local and global market perspectives. Citing some local and foreign brands and how these brands have successfully initiated Brand Development strategies captured the interest of the session audience. Mr. Quamrul also highlighted the importance of consumer insights which needs to be identified by companies at the initial level, the significance of product innovation, marketing research initiatives, sales strategies and challenges, and the branding strategies of products in the urban and rural markets. The seminar further continued with the question-and-answer session by the faculty members and students. At the end of the session, Mr. R. Tareque Moudud FCMA, Director, Office of Placement and Alumni (OPA), AIUB, delivered the vote of thanks and presented the Certificate of Appreciation. Prof. Dr. Tazul Islam presented a crest and gift pack as a gesture of appreciation to the guest speaker. The Department of Marketing, FBA, AIUB would like to recognize and acknowledge Mr. Md. Razib Hossain Rion, Senior Trade Marketing Executive, Hygiene Products; Mr. Azazur Rahman, Senior Officer, Regulatory Affairs; and Mr. Md. Harunur Rashid, Territory Manager, Hygiene Products (who are Alumni of AIUB and are currently working at ACI Limited) for their whole-hearted effort in initiating and presence during the seminar. The seminar was organized and facilitated by Mr. Hamidul Islam and Mr. Stanley Rodrick, Senior Assistant Professors, Department of Marketing, FBA, and coordinated by Dr. Khondaker Sazzadul Karim, Head, Department of Marketing and THM, FBA. The seminar was arranged under the guidance of Prof. Dr. Farheen Hassan, Director, Undergraduate Program, FBA; and Prof. Dr. Nisar Ahmed, Director, Graduate Programs, FBA; and supported by the FBA Dean's Office, and members of AIUB Photography Club. The Department of Marketing, FBA would like to thank AIUB Management; Mr. Manzur H. Khan, Director, Office of Student Affairs (OSA); Major (Retd) Faiz-Ul-Bari Rajon, Deputy Director, Administration; and Mr. Kazi Lutiful Haque Chapal, Assistant Director, Administration, AIUB for providing all the administrative and logistics supports for this seminar session.

Webinar on "E-Visits (Study, Research & Scholarship Opportunities in Germany)"

On October 6, 2022, the AIUB Community of Engineering Students (ACES) organized a webinar titled "E-Visits (Study, Research & Scholarship Opportunities in Germany)". This webinar was presented by DAAD Bangladesh – German Academic Exchange Service. The program started at 11:00 AM with 100 pre-registered students on Microsoft Teams. The purpose of the webinar was to inform about DAAD scholarship and Germany as a higher study and research destination.

The program started with the inauguration speech by Mr. Md. Saniat Rahman Zishan (Head, Department of CoE, AIUB & Mentor, ACES). He discussed about the importance of postgraduate degrees. In addition, he mentioned the benefits of post graduate studies in Germany as it has one of the most dynamic and adaptable education system. The distinguished speaker, Mr. Mahmudul Hasan Suman (Regional Officer, DAAD Bangladesh), briefly explained 'DAAD', which is one of the biggest funding organizations in the world. He also highlighted the master's degree, and PhD. programs in Germany. Later, he discussed the DAAD scholarship and visa process for Germany. Then, a short Q/A session was held for the participants. Finally, Mr. Md. Saniat Rahman Zishan concluded the webinar by thanking the honorable speaker for conducting the session and handed over the virtual crest to the honorable speaker.



IEEE Regional Exemplary Student Branch Award 2022 Awarded to Ieee Aiub Student Branch

The IEEE AIUB Student Branch has been awarded the "IEEE REGIONAL EXEMPLARY STUDENT BRANCH AWARD 2022" by the global IEEE Students Awards Committee. IEEE supports the interests of its members by recognizing significant achievements in relevant domains for the benefit of society. This award is given annually to student branches for their exceptional performance as an active IEEE Student Branch offering technical programs, activities, and professional networking opportunities that enable members to establish crucial skills. In the previous activity year 2021-2022, the IEEE AIUB Student Branch hosted 9 webinars, 2 distinguished lectures, and 1 workshop. The "IEEE Student Professional Awareness Venture", a signature event of the IEEE community, was also organized by the IEEE AIUB Student Branch. This award is a very prestigious achievement for IEEE AIUB Student Branch.

IEEE AIUB Student Branch Successfully Celebrated "IEEE Day 2022"

On Tuesday, 11th October 2022, the IEEE AIUB Student Branch organized a daylong event celebrating "IEEE Day 2022". This event aimed to bring all IEEE AIUB Student Branch members and supporters together to demonstrate how IEEE members in local communities collaborate on ideas that affect technology for a better tomorrow and contribute to making a difference.

At the first phase of the event, Alumnus of Department of EEE, AIUB Mr. Al Amin Hossain, Assistant Manager, Engineering and Design (Electrical), Reverie Power & Automation Engineering LTD, conducted the workshop titled "A Medium Voltage Substation Design Maintaining Proper Standard." He discussed about power systems, the working process of substations, outdoor and indoor components of a substation and their purpose, power triangle and load flow, load distribution, cost management, etc. Advisor of IEEE AIUB Student Branch, Md. Saniat Rahman Zishan, Associate Professor & Head, Department of COE, AIUB, delivered the ending speech of the workshop session and delivered the token of appreciation to the honorable instructor. The second phase of the IEEE Day celebration began with the cake cutting ceremony. Advisor of IEEE AIUB Student Branch, Prof. Dr. A.B.M Siddique Hossain, Dean, Faculty of Engineering, AIUB, inaugurated the seminar session. He congratulated IEEE AIUB SB on receiving the "IEEE Regional Exemplary Student Branch Award 2022". Then the honorable speaker Dr. Md. Raju Ahmed, Professor, Department of EEE, Dhaka University of Engineering & Technology, Director, Institutional Quality Assurance Celt (IQAC): Treasurer, IEEE Bangladesh Section: Life Fellow IEB, Member IEEE thanked the faculties and IEEE AIUB SB for inviting him to the session and congratulated them for receiving the award. He discussed the importance of protection in high-voltage engineering and related important topics. Finally, he did a Q&A session and ended his session by thanking everyone. Counselor of IEEE AIUB Student Branch, & Advisor of IEEE EMBS AIUB SB Chapter Dr. Mohammad Hasan Imam, Associate Professor, Faculty of Engineering, AIUB, presented the token of appreciation to the honorable speaker. Afterward, a cultural program was performed by APAC.

At the closing part of the event, Advisor of IEEE AIUB Student Branch, Prof. Dr. Md. Abdur Rahman Associate Dean, Faculty of Engineering, AIUB and Prof. Dr. Mohammad Abdul Mannan, Director, Faculty of Engineering, AIUB with IEEE AIUB SB executives declared the winner of the photo contest. Afterward, they presented a token of appreciation to the General Secretary of APAC for their soulful performances. Prof. Dr. Md. Abdur Rahman gave the closing remarks. He discussed the significant achievements of the IEEE AIUB SB and ended his speech by thanking everyone. After the closing remarks, a photo session was arranged, and food, kits, and certificates were gifted to promote the Program, which concluded the session. The event was attended by 150+ attendees, including 100+ IEEE members and 50+ non-members.

FBA organized MoU signing ceremony between AIUB and City Alo

To encourage women entrepreneurship for the economic and social development of the country the Faculty of Business Administration (FBA) organized and facilitated the signing ceremony between American International University-Bangladesh (AIUB) and City Alo on September 29 at 3:30 pm at AIUB campus premise. City Alo is the dedicated women banking division of the City Bank. Their mission is to empower women by giving financial assistance and support to initiate as well as expand their business. The City Alo Certification Course is an initiative that will enhance the financial literacy of women in Bangladesh which can make a positive contribution to the lives of the end customers – economically and socially. AIUB and City Alo have agreed to work together to create a cooperative environment for developing and conducting specially designed entrepreneurial course for the women entrepreneur. From the date of the signing, the Memorandum of Understanding will remain in effect for a period of one year. Professor Dr. Tazul Islam, Dean of Faculty of Arts and Social Science & Dean in Charge, Faculty of Business Administration of AIUB, and Ms. Nasrin Akter, Head of City Alo-Women Banking signed the MoU on behalf of their respective institutions.

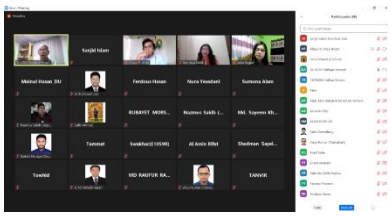
Professor Dr. Farheen Hassan, Director, BBA Program; Dr. Khondaker Sazzadul Karim Head, Department of Marketing and Tourism and Hospitality Management, graced the event with their presence. Faculty members Mr. Obaidul Islam [Sr.] Associate professor, Management Department, Ms. Samia Shabnaz, Senior Assistant Professor, Management Department, Ms. Nazia Farhana, Assistant Professor, MIS Department along with Md. Tuhinur Alam, Unit Head, City Alo enterprise, were also present at the ceremony.

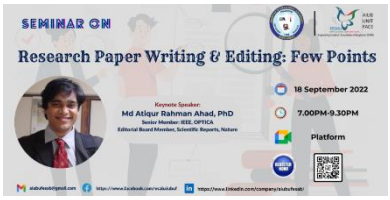
Webinar On “Research Paper Writing & Editing: Few Points”

The Engineering Students Association of Bangladesh (ESAB) AIUB Unit Face hosted a successful webinar titled "Research Paper Writing & Editing: Few Points" by using online platform Zoom on September 18, 2022 (Sunday). The purpose of the webinar was to inform attendees on how to write and organize a research paper. The programme began with an inauguration speech by Prof. Dr. A.B.M. Siddique Hossain (Dean, Faculty of Engineering, AIUB), in which he emphasized the necessity of students attending such webinars and addressed the relevance of research paper editing and publishing ethics.

After that the honorable speaker Md Atiqur Rahman Ahad, PhD (Senior Member: IEEE, OPTICA & Editorial Board Member, Scientific Reports, Nature) continued the session for two and half hours to emphasize his enlightening knowledge on the topic. He gave the participants helpful advice and a clear explanation of how to write and edit their research papers, from the beginning to the end. Following the presentation, a quick Q/A session was conducted for the attendees. More than 120 students and professionals participated in the webinar.

Finally, the session was graced by the presence and closing remarks of Mr. Md. Saniat Rahman Zishan (Associate Professor and Head, Dept. of CoE, Mentor, ESAB AIUB Unit Face). He concluded the seminar by expressing gratitude to the distinguished speaker for conducting an educational and informative session. Following that, a virtual crest was presented as a token of appreciation to the honorable speaker.





Celebration Of Capstone Project Completion (ACES) 2022

On September 7, 2022, AIUB Community of Engineering Students (ACES) organised “Celebration of Capstone Project Completion” program for the Summer 2021-22 semester which was supported by the Faculty of Engineering, AIUB. This significant program was held in the Multipurpose Hall, Building-D of American International University-Bangladesh (AIUB). A total of 43 groups defended their projects in front of their respective supervisors, externals, and other faculty members. Following the successful completion of the defence, all the groups competed in a poster competition, where the judges evaluated all the posters. Following that, each participant was given a crest as a token of appreciation for completing their capstone project successfully. Afterwards, a cultural event took place.

The award ceremony commenced with the speech of Prof. Dr. A. B. M. Siddique Hossain (Dean, Faculty of Engineering, AIUB) where he congratulated the students on finishing the capstone project successfully. Later, Prof. Dr. Md. Abdul Mannan (Director, Faculty of Engineering, AIUB), Associate Professor Mr. Nafiz Ahmed Chisty (Head-In Charge [Undergraduate Program], Faculty of Engineering, AIUB), Associate Professor Mr. Md. Saniat Rahman Zishan (Head, Department of Computer Engineering, AIUB), and Associate Professor Mr. Chowdhury Akram Hossain (Deputy Director, Dr. Anwarul Abedin Institute of Innovation & Special Assistant,

OSA, AIUB) presented certificate of acknowledgement to the Top-3 groups of Poster Competition. Finally, Mr. Md. Saniat Rahman Zishan announced the name of the three groups who are nominated for the Vice Chancellor Award for Summer 2021-22 semester. Afterwards, Prof. Dr. Md. Abdul Mannan (Director, Faculty of Engineering, AIUB) gave the closing speech where he congratulated all the students and praised their dedication for overcoming the challenges of capstone project. The remarkable program came to an end with a group photo. The entire event was a great success due to the enormous support from the capstone project supervisors of Dept. of EEE and CoE.


Visit to Rooppur Nuclear Power Plant

On September 1, 2022, the Faculty of Engineering, American International University – Bangladesh (AIUB) organized a visit to the Rooppur Nuclear Power Plant (RNPP). RNPP is located at Ishwardi Upazila of Pabna District, on the bank of the river Padma and it's a very highly secured Key Point Installation (KPI) zone of the Bangladesh Government. 19 teachers from AIUB along with 47 students from Department of EEE visited this nuclear power plant. The team from AIUB reached Rooppur Nuclear Power Plant at 10:30 AM and stayed there for approximately 4 hours. Engr. MD. Ashraful Islam (Chief Engineer & Director, CRNPP) wholeheartedly greeted everyone with a short speech. Afterwards, Mr. Irtiaz Mahmud (Manager, CRNPP), Mr. MD. Yamin Ali (Manager, CRNPP), Mr. Goutam Chandra Roy (Manager, CRNPP) introduced themselves and their domain of expertise. Furthermore, a brief presentation was presented by Engr. MD. Ashraful Islam where the master plan, history, construction, and capacity of the power plant was demonstrated. After that, a short Q&A session was held where the engineers answered the queries of the participants. Following that, Prof. Dr. Md. Abdur Rahman (Associate Dean, Faculty of Engineering, AIUB) thanked the engineers of RNPP for their well explained remarks. Then he presented the token of appreciation to the project officials. Later, the visiting team was taken for a guided tour to the power plant construction site. The architecture and mechanism were explained by the proficient engineers Mr. Monoarul Islam (Senior Assistant Manager, CRNPP), Mr. MD. Rakibul Hassan (Assistant Manager, CRNPP), Mr. Md. Shazzad Dewan (Assistant Manager, CRNPP) and Mr Ali Hossain Abir (Assistant Manager, CRNPP). They went on to explain the different aspects of cooling towers, nuclear reactors, jetty, pump station, fire station, emergency evacuation plan. The AIUB team expressed their heartfelt gratitude towards the authority of the Rooppur Nuclear Power Plant for their tremendous support and cooperation. The tour ended with a group photo with all the participants from AIUB. It was a great learning experience and successful tour for the engineering students.



Inauguration of CTO Forum Innovation Hackathon 2022 at AIUB

The CTO Forum Innovation Hackathon 2022 was inaugurated by the Deputy Minister, Ministry of Education Barrister Mohibul Hasan Chowdhury MP, on Monday, 12th of September 2022 at the campus of American International University- Bangladesh (AIUB). This national event is committed to fostering an environment of trust, openness, and innovation where the most creative and innovative minds of today can come together to maximize the advantages of current and future technology for the country while paying close attention to addressing the technical issues and challenges. This event is dedicated to boost young mind's creativity in the creation of sustainable technologies for the benefit of the country. The Hackathon is scheduled to start on 29th of September 2022 with an idea round session in several divisions of Bangladesh such as Dhaka, Chittagong, Sylhet and Rajshahi.

Dr. Carmen Z. Lamagna, the honorable Vice-Chancellor of the American International University-Bangladesh (AIUB), delivered the welcome address on the occasion. She expressed her gratitude to all the attendees and wished the event a great success. She also appreciated the efforts of the Department of Computer Science, AIUB for supporting and participating in such a tremendous nationwide initiative.

Mr. Tapan Kanti Sarker, President of the CTO Forum Bangladesh, in his address, mentioned that the development of digital Bangladesh will be successful if these young people are positively exploited, and their fresh ideas are appropriately encouraged. The Special guest Prof. Dr. Md. Sazzad Hossain, member of the University Grants Commission, Bangladesh stated if university students are not prepared to tackle practical difficulties with their innovation, the country will not be able to stay up to date with the fast-evolving world of invention and technology. He claimed that the country is home to many intelligent young minds who should be given the proper opportunities, and this hackathon is one of them.

The Chief guest of the event, Barrister Mahibul Hasan Chowdhury MP, the Deputy Minister, Ministry of Education appreciated such well-timed initiative towards innovation. The deputy minister highlighted that developing a digital Bangladesh is not only dependent on academic knowledge, but also on the innovative thinking and spirit that these programs will foster. During the ongoing fourth industrial revolution, these sorts of events will advance the nation. He also mentioned that the CTO Forum's plan to use the strength of youth and technology to create a smart Bangladesh would have the full support of the Government.

Among others Prof. Dr. H M Jahirul Haque, the Vice Chancellor, Canadian University of Bangladesh, Mr. Bikarna Kumar Ghosh, the Managing Director, Bangladesh HiTech Park Authority and Mr. Muttasim Diaan, Director and the CEO, Fair group also addressed the audience. The inauguration ceremony was graced by the presence of Mrs. Nadia Anwar, Founder and Member, AIUB Board of trustees, Deans, Associate Deans, Directors, Head of the Departments, Faculty Members, Officials from AIUB and other Universities, Organizing Committee Members of the Hackathon, High officials from the Title sponsor Fair group, representatives from several Print and Electronic media and students.

Freshmen student orientation of Fall 2022-2

The orientation of newly enrolled freshmen students at the American International University-Bangladesh (AIUB) in the Fall 2022-23 semester was held at the AIUB premises on Thursday, 15 September 2022. The orientation was held in six sessions for different faculties for both undergraduate and graduate programs. Representatives of the Office of Student Affairs, AIUB briefed the freshmen students about the rules and regulations of the university along with the procedures of successfully utilizing the resources and tools for their academic progress. Mr. Ishtiaque Abedin, the Honorable Chairman, Board of Trustees of AIUB was present as the chief guest in the orientation sessions. He welcomed the freshman students and their parents to AIUB and expressed his gratitude for their wholehearted participation. The Registrar, Deans, Directors, Heads of Departments, faculty members, key officials were also present during the sessions.


'Information Session: Erasmus+ Programme' & inauguration of the 'Erasmus+ Roadshow' at AIUB

On Sunday, 11 September 2022, the European Union Delegation (EUD) to Bangladesh, in collaboration with the Erasmus Mundus Association Bangladesh, successfully organized "Information Session: Erasmus+ Programme Opportunities", followed by a caravan campaign, "Erasmus+ Roadshow". The event was hosted by the American International University- Bangladesh (AIUB). The program started at 09:30 AM with 350+ pre-registered students, graduates, faculty members and professionals from different industries at the AIUB auditorium. The session's objective was to provide information about the opportunities to current and prospective students interested in pursuing their higher education in Europe under the Erasmus+ Programme.

Prof. Dr. A.B.M Siddique Hossain, Dean, Faculty of Engineering, AIUB initiated the session with his welcome speech. He welcomed everyone and talked briefly about AIUB and Erasmus Mundus. Afterward, Dr. Carmen Z. Lamagna, Vice Chancellor, AIUB delivered her kind words of wisdom on the Erasmus Mundus Program. Later, she explained the Bangladesh's situation and the position of AIUB in the Erasmus Mundus Program. Afterwards, Mr. Charles Whiteley, His Excellency, The Ambassador of the European Union Delegation to Bangladesh thanked the Vice Chancellor and Dean for their kind words. He then expressed his delight at the opportunity to collaborate with Bangladesh to deliver such a distinguished event to the country. He also described the Erasmus Mundus Program and how to achieve it. Ms. Jui Chakma, Programme Manager, EU Delegation, gave a presentation on "Erasmus+ programme opportunities in Higher education." where she explained the Erasmus+ Program in full detail and the process surrounding the Program. Afterwards, Md. Ashiqur Rahman, President (Ad Interim), Erasmus

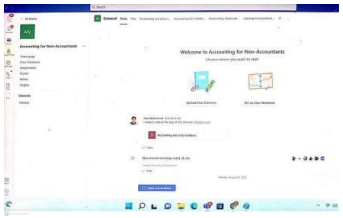
Mundus Association (EMA), explained greater inclusivity on Erasmus+ and the perspective of Bangladesh. Then, Sayed Muhammad Baker, Country Representative for Bangladesh, Erasmus Mundus Association (EMA), explained the Erasmus+ Program's guidelines and recent revisions. The event was graced by the presence of Ms. Jurate Smalskyte, Counsellor and Team Leader, Education and Human Development, EU Delegation, Mr. Towheed Feroze, Media and Information officer, EU Delegation.

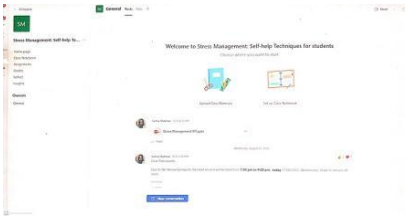
Dr. Carmen Z. Lamagna, Vice Chancellor, AIUB, Prof. Dr. A.B.M. Siddique Hossain, Dean, Faculty of Engineering, AIUB, and Prof. Dr. Md. Abdur Rahman, Associate Dean, Faculty of Engineering, AIUB presented tokens of appreciation to honorable chief guest and European Union Delegation to Bangladesh. After the information session, the Honorable Ambassador, Vice Chancellor, Dean, Associate Dean, European Union Delegation to Bangladesh, Teachers, and guests went to the designated premise to inaugurate the caravan campaign, "Erasmus+ Roadshow". At the end of the program, a photo session was arranged, flyers and T-shirts were gifted by Erasmus.


Certificate courses for FBA students - Summer 21-22

The Faculty of Business Administration (FBA), American International University – Bangladesh (AIUB) successfully arranged three Certificate courses for its existing students in Summer 21-22 Semester. This four-day long program started from August 28, 2022, and ended on August 31, 2022, with lots of positive remarks from the students. This initiative was aimed to enhance important skills of the future business graduates of AIUB and make them more competitive in their professional fields. All courses were held virtually using MS Teams platform covering three crucial areas of business- Project Management using MS Project, Accounting for Non-Accountants, and Stress Management. The initiative received an overwhelming response by the students and a total of 224 students participated.

The courses were designed and planned under the leadership of Dr. Farheen Hassan (Director, BBA Program) and Dr. Nisar Ahmed (Director, MBA Program), and coordinated by Dr. Md. Tamzidul Islam (Faculty Member, FBA) and Ms. Bohi Shajahan (Senior Assistant Professor, FBA). Dr. Mohammad Faridul Alam (Associate Professor, FBA), Mr. Neaz Mohammad (Assistant professor, FBA), Dr. Kamrul Hasan (Associate professor, FBA), Dr. M. Anisa Khatun (Professor, FBA), Ms. Samia Shabnaz (Senior Assistant Professor, FBA) and Dr. Md. Tamzidul Islam (Faculty Member, FBA) were the facilitators. In future, FBA will continue this endeavor and offer wide range of courses in a larger scale.



BAF Shaheen College is the champion of the AIUB Intercollege Football Championship-2022

The BAF Shaheen College, Dhaka is the champion of the AIUB Intercollege Football Championship-2022. The final match was played on Thursday, September 01, 2022, at the AIUB Field between Rajuk Uttara Model College and BAF Shaheen College, Dhaka. BAF Shaheen College, Dhaka beat Rajuk Uttara Model College by 1-0. The prize giving ceremony of the tournament was held right after the final match. Mr. Piush Costa, Registrar, AIUB, Mr. Manzur H Khan, Director, Office of Student Affairs, Dr. ABM Rahmatullah, Associate Dean, Faculty of Arts and Social Sciences, Mr. Ziarat H Khan, Deputy Director, Office of Student Affairs, Mr. Abu Mia Akandah Tuhin, Assistant Director, Public Relations were present along with the special guests, and gave away prizes among the winners. Faculty Members and officials of AIUB witnessed the final match and were also present during the prize giving ceremony. Every single match was broadcast live in AIUB Facebook page and witnessed by thousands. The gallery of the AIUB field was fully packed in most of the final round matches. Videoclips of all 64 matches are available in the AIUB Facebook page (https://www.facebook.com/aiub.edu).


Finance Quiz Competition - Summer 2021-2022

The Department of Finance, Faculty of Business Administration (FBA), American International University – Bangladesh (AIUB) successfully organized "Finance Quiz Competition - Summer 2021-2022". The competition was organized by Mr. Md. Joynal Abedin, Assistant Professor, Ms. Bohi Shajahan, Senior Assistant Professor and Dr. Rumana Afrin, Assistant Professor from the Department of Finance. It was an inclusive competition covering all the students of Finance core courses (Principles of Finance and Financial Management). The preliminary round of quiz competition was held on 3rd August, participated by around 150 students (75 Groups). From this large number of students only 10 students (5 Groups) were selected for the final round. The final round was held on Thursday, August 4, 2022. Faculty members from Finance Department, FBA were engaged and provided full support in both the preliminary and final round selection procedure. Kazi Efaz Abdun Naser achieved the Champion position, SK Jayed Hasan, and Abdul Awal Rony achieved the 1st Runner up and Arnab Islam Joy and Md. Ahsan Habib achieved the 2nd Runner up position in the competition. All the qualified participants and winners were provided with certificate of participation and the Champion and Runner up team members were provided with crests. The prize giving ceremony was held in presence of Prof. Dr. Nisar Ahmed, Program Director of MBA Program, Dr. Mohammad Faridul Alam, Head of the Accounting Department, Dr. Khandoker Sazzadul Karim, Head of the Marketing Department, Dr. Mohammed Kamrul Hasan, Associate Professor, Department of Finance, participating students, and audience. The department of finance extends its gratitude to Prof. Dr. Nisar Ahmed , Director, MBA program and Prof. Dr. Farheen Hassan, Director, BBA Program for their continuous support and guidance related to the competition. The Department of Finance also extends its profound thanks to the Office of Students Affairs, and Management of the University for providing valuable support for making the event successful.



MMC Students visited Pathshala the South Asian Media Institute

Pathshala is the primary institute of photography in the South Asia region, offering various short-term and long-term educational programs in photography, film and multimedia journalism throughout the year. Pathshala started in 1998. Since then, the institution has gradually grown into a full-fledged photography educational institution located in Dhaka, Bangladesh.

The students of Pathshala come from varied backgrounds and philosophies; and this is reflected in their bodies of work. The thought sharing process is organic in this institution, creating a multidisciplinary space which leverages new energy among the students. The students of MMC's "Photojournalism" course were invited by Principal Mr. Kha. Ma Haron; a famous TV personality and founder of this institution; Dr. Shahidul Alam, on 6th August 2022, at Pathshala South Asian Media Institute, Panthpath, Dhaka.

Students were greeted with a warm welcome, by Mr. Kha Ma Harun Al Rashid and Khandakar Tanvir Murad who had briefed the students regarding the institute itself followed by a motivating and much anticipated speech by Dr. Shahidul Alam. Later on, the works of photography were also presented in front of the students of Pathshala. The Course teacher of “Photo Journalism”, Mr. Niaz Majumder, who arranged the whole excursion also gave a brief demonstration about AIUB and MMC department and presented their activities through power point and YouTube.

In Bangladesh, one of the pioneers of modern Photo Journalism is Dr. Shahidul Alam, who has been working to promote photography and teach photographers since very long time. It has been a pleasure of AIUB’s Media and Mass Communication department’s student to meet such an honorable and aspiring personality. What made the visit more fruitful was the interaction of students of both institutions. They spoke and exchanged ideas regarding their fields of studies. Although they share a similar field of interest there are lots of new areas for both the students to explore. AIUB students were overwhelmed to experience the practical oriented study space, where theories are farfetched and practical life implementations are prioritized.

Throughout the stay the students were busy photographing and documenting the place. A renowned photographer, Khandakar Tanvir Murad showed the students of AIUB some comparisons of before and after works of Pathshala students after which he also shared one of his inspiring, heart touching personal and emotional stories. At the end of the day the students of AIUB were treated to a grand lunch hosted by the institute. The visit of Pathshala has surely inspired the students of AIUB, and enhanced both their technical and aesthetical skills, ideologies. They were keen to come back again to this amazing learning zone and grab whatever knowledge regarding this newer window of world they had discovered after the visit.



A Lively Stage Adaptation of Oscar Wilde's The Importance of Being Earnest

An exciting theatre adaptation of the drama Importance of Being Earnest written by Oscar Wilde was displayed on 2nd August 2022 at 3.30 PM, performed by the students of Victorian Literature course of BA English Program, Department of English in the Multipurpose Hall (D building) at AIUB campus. The adapted script of the play was prepared by some extraordinary students of the class of Victorian Literature, English Department, AIUB and was directed by Mr. Shohel Rana, Assistant Professor of English. The entire class of Victorian Literature participated in several important works related to the adaptation (e.g., supervision, stage decoration, direction, photography, videography and acting). The students and teachers of different departments and faculties were present in the audience. Indeed, for the students of the course, it was one of the most remarkable afternoons at AIUB campus. For the students, teachers and the administrators who were present as the audience, it was a memorable experience. Very interestingly, the students of Victorian Literature course participated in the play as actors and presented such a vibrant and extraordinary performance on such a great literary play which is full of serious intonations and pitches. They have worked very hard to give their best performance as was commented by the director of the play as well as their course teacher, Mr. Shohel Rana. The honorable Dean of the Faculty of Arts & Social Sciences, Prof. Dr. Tazul Islam, the Associate Dean-in charge of FASS, Dr. A. B. M. Rahmatullah and the Head of the Department of English, Mr. M Hamidul Haque were present on the occasion. Dr. Tazul Islam commented that the play will be a milestone for the future performers of the Department of English. Everyone present was very much exuberant with a lot of appreciation for the play.



"Poetry Pool" organized by the Department of English

An exuberant literary event titled "Poetry Pool" took place on 3rd August at 3pm in Media Studio of AIUB campus. The event was organized by the Department of English, AIUB. In this event, all the students of AIUB were invited to participate in a poetry recitation competition and they competed through screening rounds to reach the final round that was held on 3rd August with vibrant exuberance among the audience. There were basically three rounds of events such as Poetry Recitation in general, Reciting Self-Composed Poem and finally Poetry Performance. In the poetry recitation round the participants recited the poems both in Bangla and English by different eminent poets. In the second round, the participants recited their self-composed poems. The students participated with extraordinary enthusiasm and their performances were highly appreciated. The third round of the event was the most interesting one, where the participants did several actions like reciting, acting, role playing simultaneously. In this round, the students demonstrated their highest expertise in acting and reciting along with the use of some supplementary characters as well as props on the stage. The honorable Dean of the Faculty of Arts & Social Sciences, Prof. Dr.Tazul Islam, the Associate Dean-in-charge of FASS, Dr. A. B. M. Rahmatullah and the Head of the Department of English, Mr. M Hamidul Haque were present on the occasion. In Poetry Recitation round, the Champion was Dipraj Roy Dipto and the Runner-up position was procured by Sajedur Saj. In Poetry Performance round, the winning position was achieved by Rabeya Khatun Ritu and the Runner up was Kazi Fairuz Nazim. In the final round of Self- Composed poetry performance, the Champion was Shamma Saiyara and the Runner-up was Alpona Snighdha. Among the judges, there were Anwarul Kabir, a poet and writer who is an Associate Professor in the Department of CSE, AIUB, media personality Afroza Shoma, Assistant Professor in the Department of Media and Mass Communication, AIUB, and Dravida Anjuman Huda, an Assistant Professor (on leave) in the Department of English. At the end of the program, the certificates and crests were distributed among the winners. The event was coordinated by Mr. Shihab Saqib, Assistant Professor of Department of English, AIUB.


Seminar on Intelligent Cloud Technologies for the future of Bangladesh

A seminar titled “Intelligent Cloud Technologies for The Future of Bangladesh” was organized by the Department of Management Information Systems (MIS), Faculty of Business Administration (FBA) on the 19th of July 2022 in the Multi-Purpose Hall, Annex 7 at 12:45 PM. In his opening remarks, Mr. Mehzab H. Nahid, Assistant Professor, Department of MIS, FBA, pointed out that the objective of the seminar is to equip students to learn about contemporary ICT issues, how these technologies are transforming the business world, and tech giants’ contribution in developing prospects for future BBA and CSE graduates in Bangladesh. Mr. Lizhi Fang, Cloud Director, HUAWEI, Bangladesh, spoke about Huawei's commitment to digitalization and green development in Bangladesh, as well as the company's efforts to expand opportunities for the country's young people so that they can learn and grow professionally and help build a sustainable ICT infrastructure. He has briefly highlighted how Huawei's clients are generating new experiences for their businesses, multiplying efficiency, and discovering competitive advantages by adopting intelligent cloud technology. Mr. Iftakher Hasan, Cloud Solution Architect & Manager, HUAWEI, Bangladesh, informed students about the 220+ cloud services from Huawei's public cloud, worldwide one-stop online and offline services, and their services throughout the globe that concentrate on smart devices, networking, computing, and the cloud. In a few short slides, he demonstrated the incredible benefits of the cloud for both Industry 4.0 and Industry 5.0, and how the incorporation of intelligent cloud technologies like IoT, Blockchain, ML, and AI guarantees a cutting-edge institution that can reliably exemplify customers' expectations and respond to them in a fascinating and secure way. In addition, he described Huawei's Big Data development milestones along with a few data science use cases, Huawei's cloud IoT and Solution capabilities, which include an industrial ecosystem and a digital platform for smart cities. He explained the complete security solutions of Huawei, including entire stack and security compliance, Security topology, and Cloud certification and compliance. In addition, he informed audience of the Huawei's commitment to recruiting recent graduates so that they may collaborate with professionals who have worldwide experience and skills. He provided light on the possible cloud computing skills gap and the rising need for cloud platform-capable personnel. He noted that skill upgrading in Cloud Technologies might be a wise decision for CS and MIS due to their high earning potential and improved employment chances across all sectors. Md Shajahan Ahmed, from HUAWEI's business development team, provided closing comments and praised the MIS department for hosting this event. Director of IT Operations, Mr. Danilo G. Morgia, extended the vote of thanks. He appreciated the seminar's resource person, guest speakers, respected Huawei delegates, and respected FBA faculty members. He also advised them to learn more about Cloud Computing and how MIS would assist them in their future careers. The interactive session was accompanied by Prof. Tabin Hasan, PhD, Head, Computer Science (Graduate Program) & Head, MIS, Ms. Nazia Farhana, Mr. Obaidul Islam Sr, Mr. Jubayer Suhan, Ms. Tamanna Nazneen Rahman, Dr. Partha Prasad Chowdhury, Shahnaz Zarin Haque, and other academic members. The one-hour seminar concluded at 2:00 p.m. Approximately 400 Students attended the seminar. In the afternoon, Mr. Mehzab led the Huawei representatives on an exciting tour of the university's facilities.



"bTechWhiz" - Seminar and Recruitment Test by BKash

On July 27, 2022, the Office of Placement & Alumni (OPA), American International University-Bangladesh (AIUB), organized a seminar followed by a recruitment test with bKash titled under their banner "bTechWhiz". The program was held at the Multipurpose Hall, D Building of AIUB campus. The seminar was attended by 350 Science and Engineering Students and most of them participated in the Recruitment Test.

The Seminar commenced with a welcome speech by Mr. R. Tareque Moudud FCMA, Director, OPA, followed by speeches delivered by Dr. Dip Nandi, Professor and Director, Faculty of Science and Technology (FST), Mr. Abhijit Bhowmik, Associate Professor, FST and Special Assistant, Office of Student Affairs (OSA). The title of the seminar was "Technology and beyond for Engineering Students".

The session was conducted by the following managers from bKash:

Mr. Md Mozammel Haque, Executive Vice President & Head of Department, Software Research & Engineering Mr. Intekhab Sadekin, Executive Vice President & Head of Department, Solution Architecture & Planning, Sayeed Nasir, Executive Vice President & Head of Department. Other managers of bKash also spoke on the occasion.


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.


Law Students Visited Madaripur Judge Court

On August 7, 2022, the AIUB Department of Law arranged a study tour to the Madaripur Judge Court to for the students to gain and improve legal and practical information on "Trial Procedure of Civil & Criminal Courts." A delegation of 40 AIUB law students and faculty members attended the tour. The team left the campus at 6:30 a.m. and arrived at the Madaripur Judge Court around 10:30 a.m.

Mr. Md Abdullah Al Masud, Joint District and Session Judge, Madaripur, welcomed the AIUB law students on behalf of the Madaripur Judgeship. The briefing session was held at the Madaripur Judge Court's seminar room. Mr. Md. Ismail Hossein, Honorable District and Sessions Judge, Madaripur, delivered a brief overview on the method of being a judge and advocate in the first session. He underlined the need of learning the country's procedural laws. Following the briefing, the Honorable District and Session Judge answered students' questions on a variety of professional, legal, and practical issues. Later, Ms. Lailatul Ferdaus, Additional District and Sessions Judge, and Mr. Mamunur Rashid Nirab, Chief Judicial Magistrate, Madaripur, both delivered a brief talk to the pupils on Civil suits and Criminal cases, filing procedure of suits & cases, trial procedure, jurisdiction, judgment, etc.

Later, students were separated into eight groups and taken to various courtrooms- both civil and criminal. Students got the opportunity to observe and learn about filing a case, trial session, examination and cross examination of witnesses, commission, and so on in real life situation.

After the courtroom experience, judges from various courts informed the students about their actions in the courtroom and provided legal explanations. These sessions, as well as the courtroom experience, lasted for about four hours. Later, with permission from the relevant authorities, students were allowed to see the Madaripur Judge Court compound. The visit concluded with a group photo with the honorable judges of the Madaripur Judge Court. Overall, the study tour was incredibly relevant, instructive, helpful, and beneficial for AIUB Law students.

'Skills to acquire for the development of students for 4IR' – A session of Dr. Anwarul Abedin Lecture Series arranged by FBA

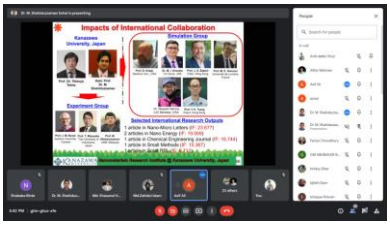
The Department of Finance under the Faculty of Business Administration arranged a session of the Dr. Anwarul Abedin Lecture Series titled, "Skills to acquire for the development of students for 4IR". Mr. Syed Almas Kabir, the president of Bangladesh Metropolitan Chamber of Commerce and Industries (BMCCI), Managing Director of Metronet BD Ltd, a Director of Federation of Bangladesh Chamber of Commerce and Industries (FBCCI), and Ex-President of Bangladesh Association of Software and Information Services (BASIS), was the keynote speaker. It was held on Monday, 1st August 2022 in the AIUB Auditorium at 3:30 pm. The Dr. Anwarul Abedin lecture series is organized to commemorate the significant contribution of the late founding Chairman of AIUB towards the expansion of quality education in Bangladesh. Mr. Kabir highlighted the importance of specialization and inspired AIUB students to be passionate about what they choose to be in the future. He shared a few tips to help students prepare for the fourth Industrial revolution and build a successful career. The program was organized by Dr. Mohammed Kamrul Hasan (Associate Professor) under the Department of Finance and was facilitated by Ms. Shahnaz Zarin Haque, Assistant Professor. Prof. Dr. Tazul Islam, Dean, Faculty of Arts and Social Sciences (FASS) delivered the welcome address. Prof. Dr. A B M Siddique Hossain, Dean of Faculty of Engineering handed over a crest to Mr. Kabir as a token of appreciation for his valuable presentation. Prof. Dr. Nisar Ahmed, Director of the MBA Program delivered the vote of thanks and handed over a certificate of appreciation to the presenter. The program was attended by the faculty members and students of AIUB.

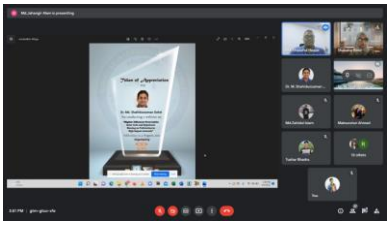
Webinar on "Highly Efficient Perovskite Solar Cells and Experience Sharing on Publication in High Impact Journals"

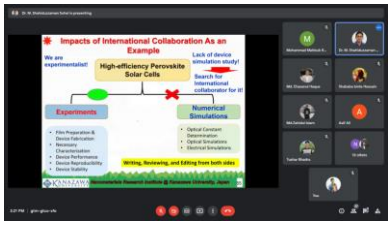
AIUB Community of Engineering Students (ACES) organized a webinar titled "Highly Efficient Perovskite Solar Cells and Experience Sharing on Publication in High Impact Journals" on August 4, 2022 (Thursday). The program started at 2:00 PM with 52 pre-registered IPE students on Google Meet. The purpose of the webinar was to assist students to publish in high impact journals as well as to prepare them to learn about highly efficient perovskite solar cells.

The program started with the inauguration speech by Prof. Dr. A.B.M Siddique hossain (Dean, Faculty of Engineering, AIUB) where he emphasized the benefits of attending such webinar for students and preparing themselves for the increasing opportunities in research field of highly efficient perovskite solar cells. The distinguished speaker Dr. Md. Shahiduzzaman Sohel (Assistant Professor, Nanomaterials Research Institute, Kanazawa University, Japan) briefly explained structure of highly efficient perovskite solar cells. He demonstrated research paper writing procedure and provided effective tips and tricks to get acceptance for publications. Then, a short Q/A session was held for the participants. Finally, Dr. MD. Ehasanul Haque (Senior Assistant Professor, Faculty of Engineering, AIUB) concluded the seminar by thanking the honourable speaker to conduct the session.

The webinar was graced by the presence of Dr. Mohammad Mahbub Rabbani (Associate Professor, Department of Chemistry & Deputy Director, Center for Nanotechnology Research, AIUB) and Mr. Md. Aynul Hoque (Lecturer, Department of IPE, AIUB).







May It Please The Court: Unmasking The Art Of Mooting

The Art of Mooting is essentially linked to enhancing one's advocacy skills beyond the books and literature of the law schools. With the aim of shaping the students to become the future mooters of the world, Jessup Bangladesh, and International Law Students Association (ILSA) in collaboration with the United States Department of Justice, Office of Overseas Prosecutorial Development, Assistance and Training (USDOJ/ OPDAT) organized the 2-day Pre-Jessup Workshop titled 'May it Please the Court: Unmasking the Art of Mooting' on 11 and 12 August 2022. The workshop was hosted by the American International University – Bangladesh (AIUB). This workshop was designed to prepare the students to participate successfully in the 7th Bangladesh National Round of the 64th Philip C Jessup International Law Moot Court Competition 2022-2023. The opening remarks were delivered by Prof. Dr. Tazul Islam, Dean, Faculty of Arts and Social Sciences, AIUB, Dr. Taslima Mansoor, Advisor, Department of Law, AIUB, Ms. Natasha Harnwell-Davis, Attorney, Criminal Appellate Section, and Ms. Sarah E. Edwards, Resident Legal Advisor, from the USDOJ/ OPDAT, U.S. Embassy, Dhaka. The remarks were followed by introductory remarks by Mr. Nuran Choudhury, National Coordinator, ILSA Chapters Bangladesh, and Mr. Riad Mahmud, National Administrator, Bangladesh Qualifying Round, Philip C. Jessup Int'l Law Moot Court Competition 2022, introducing the objectives of the workshop with the attendees. A total of 29 teams with more than 140 law students from universities across Bangladesh, both within and beyond the Capital Dhaka, and 30 volunteers participated this year as observers and mooters of the upcoming National Rounds.

In order to tailor the minds of the students in line with the mooting essentials, the Champion and Runners-up team of 2021 Global Rounds of the Competition, Harvard Law School, and Singapore Management University respectively, joined the workshop to share their experience through the session on 'A Tale of the Victorious'. The importance and role of the International Law Moot Court Competition in career building was shared by Mr. Masrur Ansari, Legal Advisor, ICRC. To acquaint the students on the art of oral advocacy, the Best Oralist of the Advanced Rounds of the White & Case International Rounds of Jessup 2022, Elise Manchester, virtually joined the workshop. Various other multiforked sessions during the two-day workshop were facilitated by former Jessup mooters, Jessup Facilitators, Ambassadors and Executive Members of Jessup Bangladesh. In the closing remarks, Justice Zafar Ahmed, Honorable Judge, High Court Division, Supreme Court of Bangladesh, highlighted on the significance of mooting and urged all the students to participate in the upcoming competition. Ms. Natasha Harnwell-Davis and Ms. Sarah E. Edwards expressed their gratitude for the interactive and detailed sessions during the workshop and also expressed their willingness to remain connected to Jessup Bangladesh in its future initiatives. Prof. Dr. Tazul Islam, Dean, Faculty of Arts and Social Sciences, AIUB, Dr. Taslima Mansoor, Advisor, Department of Law, AIUB, Mr. Washik Md. Istiaq Ezaz, National Administrator, Jessup Bangladesh Qualifying Round 2022 and 2023 and Mr. Nuran Choudhury thanked all the dignitaries, guests, students, coaches, volunteers as well as the organizing team for organizing this workshop.

Seminar on "Know your Laptops and Consoles, Powered by MSI"

The Department of Management Information Systems (MIS) of the Faculty of Business Administration, American International University – Bangladesh (AIUB), organized BizTech 3.0 on 27th and 28th July 2022 at AIUB premises. The two-day long event encompassed multidisciplinary events to instil managerial and leadership skills in students to find answers and leverage information technology within an organization to increase business value and profits. As part of the event a seminar titled, "Know your Laptops and Consoles, Powered by MSI" was held on 27th July 2022 from 12:00 to 2:30 pm in the Multipurpose Hall, Building D. The seminar "Know your Laptops and Consoles, Powered by MSI" was adorned by Mr. Fardeen Hossain, Marketing Manager, MSI Notebook-Bangladesh, Micro-Star International Co., Ltd (MSI) will. MSI is a world leader in gaming, content creation, business & productivity, and AIoT solutions. The company has been a sponsor for a number of esports teams. The resource speaker enlightened the audience with very time sensitive topics, market availability of computer devices and their usages. This event turned out to be a highly interactive session, with students pouring out their queries regarding all these latest devices. The seminar was attended by around 200 BBA students along with their faculty members. Mr. Mehzabul Hoque Nahid, Assistant Professor, MIS, coordinated the seminar. After the vote of thanks, the Resource speaker was handed over a small token of appreciation for making the event a success.

Seminar on “Premium Pass Research Portal Presentation”

The Department of Management Information Systems (MIS) of the Faculty of Business Administration, American International University – Bangladesh (AIUB), organized BizTech 3.0 on 27th and 28th July 2022 at AIUB premises. The two-day long event encompassed multidisciplinary events to instil managerial and leadership skills in the students to find answers and leverage information technology within an organization to increase business value and profits. As part of the event a seminar titled, “Premium Pass Research Portal Presentation” was held on 27th July 2022 from 2:00 to 3:30 pm at the Auditorium in D Building. The seminar “Premium Pass Research Portal Presentation” was adorned by Md. Faizul Hasan, Deputy Director, and Farida M. Kabir, Deputy Director from PAP International. PAP International is a Technology development and Business solution provider that covers all areas of the industries. "Premium Pass" is Bangladesh’s first Super Mobile Application, providing its citizens a vast array of services. In the effort to provide innovative, cutting-edge technologies that will benefit the people of Bangladesh and the rest of the world, Premium Pass has been at the frontline. The firm focuses on the rising need for high-tech applications and innovation in both the private and public sectors of the country. The Premium Pass International Case Study Porta provides an innovative method for creating, sharing, and presenting research. It allows you to reach a far wider and more varied audience. For academics, corporations, and government organizations, the website displays the best digital platform practices. They also gave away 500 discount cards and a free subscription for five (5) years as part of the event. The seminar was attended by around 200 BBA students along with their faculty members. Mr. Danilo G. Morgia, Director, IT Operations, coordinated the seminar. After the vote of thanks, Ms. Nazia Farhana from the Department of MIS, handed the Resource speaker over a small token of appreciation for making the event a success.

BIZ-Tech 3.0 Inter-College Business Plan Competition And Quiz Contest

The Department of Management Information Systems (MIS) of the Faculty of Business Administration, American International University – Bangladesh (AIUB), organized BizTech 3.0 on 27th and 28th July 2022 at AIUB premises. The two-day long event encompassed multidisciplinary events to instil managerial and leadership skills in the students. Prof. Dr. Tazul Islam, Dean-In-Charge [FBA], Dean [FASS], AIUB, together with Danilo G. Morgia, Director, IT Operations; Dr. ABM Rahmatullah, Associate Dean of FASS; and Mr.Pius Costa, Registrar & Controller of Examinations, Mr. Manzur H. Khan, Director, Office of Student Affairs inaugurated BizTech 3.0. Prof. Dr. Nisar Ahmed; Director of MBA Program and Dr. Farheen Hassan, Director of BBA Program, Dr. Mohammad Faridul Alam, Head, Dept. of accounting & Finance, Dr. Khondaker Sazzadul Karim, Head of Marketing and International Business, and other distinguished guests visited the events and provided their invaluable opinion. On the second day of BizTech 3.0, Inter-College Technology based Smart Business Plan Competition and Quiz Contest on ICT in Bangladesh was held as part of the Outreach program of AIUB. The theme of the presentation was "Smart Business models under difficult economic conditions." Over 100 students and their faculty members from eleven colleges participated in this event. The "Biz-Tech 3.0 Smart Business model" exhibition was held at 11 a.m. on Thursday, July 28, 2022, in the Multipurpose Hall (D-Building). Ms. Nazia Farhana welcomed the students and guests and instructed them to create posters for the Technology-based Business Plan. During the exhibition, Dr. Nisar Ahmed, Director of the MBA, Dr. Farheen Hassan, Director of the BBA, and other department heads and faculty members were present. These mentors also took the visitors on a campus tour to demonstrate AIUB's culture, architecture, and facilities. The visitor felt enthusiastic and upbeat while walking around campus. The purpose of the event is to provide a forum for college students to share their creative business ideas with industry experts and invited corporate guests in order to receive feedback for the future development and implementation of their ideas. It also improves the students' analytical and problem-solving skills and fosters social responsibility. Three MIS students were assigned as mentors for each group to ensure meaningful experiences and to encourage and assist the participants in generating ideas for such time-consuming creative events. The distinguished guests and faculty members evaluated the business plans created by the students at the exhibition. The spectators admired the project posters and models' skilful presentation and well-executed handwork. The exhibition was only made possible by the tireless efforts of the respective teachers and students, as well as the support of AIUB Management. All of the students found the presence of the distinguished visitors to be very engaging. After the show, academic and industrial professionals picked the best posters. The Prize Giving ceremony was inaugurated by the welcome speech of Dr. Farheen Hassan, Director of BBA Program. Special Guest Mr Pius Costa, Registrar & Controller of Examinations entertained the audience with his delightful speech. After his brief speech, the Chief Guest Brigadier General TAEF UL HAQ, Principal, Rajuk Uttara Model College, handed over the crests to the competition winners. The event was also attended by the dignitaries from the sponsors. After closing ceremony, a pleasant cultural program was held by the AIUB Performing Arts Club [APAC]. For nationwide coverage, Rtv and City FM 96.00 were the media and radio partner respectively. The program was organized and coordinated by Mr. Mehzabul Hoque Nahid, Ms. Nazia Farhana and Mr. Jubayer Suhan with the support from the Office of Students Affairs (OSA).



AIUB Students Visit Akij Food & Beverage Limited (AFBL)

The Department of Marketing, Faculty of Business Administration (FBA), American International University-Bangladesh (AIUB) organized a study tour of the Akij Food & Beverage Limited (AFBL) factory at Barobaria, Dhamrai, Dhaka, on 28 July 2022, as part of the student development program. This study tour was arranged and conducted in alignment with SDG Goal 4 (Quality Education), SDG Goal 9 (Industry, Innovation, and Infrastructure), and SDG Goal 12 (Responsible Consumption and Production). Students majoring in Marketing visited the Akij Industrial Park to get practical insights into the organization's operations, branding, sales & distribution processes. AFBL is a business concern from a renowned Bangladeshi conglomerate, AKIJ Group. Moreover, it is one of the country's leading Food & Beverage manufacturing companies selling products locally and exporting to 26 countries. The company products include fruit drinks, carbonated beverages, mineral water, dairy products, and chips. Frutika, Mojo, Lemu, Clemon, Speed, Spa, Farm Fresh, Aafi, Cheese Puffs, and O' Potato are among the popular brands of AFBL. Mr. Md. Helal Uddin (Executive, AFBL) welcomed the students and faculty members to the industrial park. Then they were given an overview of the company's products and state-of-the-art machinery by Mr. Mahmudul Hassan Pabel, Executive, HR. After the orientation, Mr. Md. Ariful Islam, Manager, Store, briefly described the warehouse operations at Akij Food & Beverage Ltd. He gave students a clear idea of how AFBL procures raw materials and packaging materials from local and foreign sources. Then, Mr. Md. Shabbir Hossain, Deputy Manager, Quality Control, highlighted AFBL's vision: To be the most respected food and beverage Company in Bangladesh by a commitment to quality. He emphasized that the company is committed to producing high-quality products and investing in developing new products. Next, Mr. Md. Yeasin Ali, Manager, Distribution, explained the nationwide distribution operations controlled by the AFBL's factory. He further discussed the sales, distribution, and warehouse facilities of Akij Food & Beverage Ltd. with the visitors.

After the initial briefing, the students were divided into two groups and visited the factory lines of the Carbonated Soft Drinks (CSD) and Milk Processing units. During the visit, the respective line supervisors also briefed the students about the production, packaging, storage, and distribution processes. In the post-factory visit session, Mr. Sardar Al Imran, Senior Executive, HR, coordinated the program and briefed about AFBL's workplace culture and how AFBL recruits fresh graduates in their work environment and corporate culture. Then, Mr. Md. Helal Uddin, Executive, HR, discussed the AFBL talent acquisition process. He further addressed that AFBL is sincere about giving opportunities to freshers and the organization also provides internship placements in their various departments. The closing session was further addressed by Mr. Md. Aminur Rashid Qurashi, Assistant Manager, Admin, who gave ideas to students about AFBL's admin department and answered various questions from the students and faculty members. In the last part, Mr. Mohammed Sadikur Rahman, Director, Plant Operations, concluded his speech about AFBL's strong global presence in exporting products to many countries. He highlighted innovation, teamwork, integrity, customer focus, and trust & respect, which are the values of AFBL that help achieve the company's vision. He further emphasized that such industrial visits would help students gain practical knowledge and help AFBL reach their customers. At the closing, the faculty members also expressed their appreciation to the AFBL officials and Management and presented gift packs on behalf of AIUB. Mr. Hamidul Islam, and Mr. Stanley Rodrick, Senior Assistant Professors from the Department of Marketing, FBA, took the initiative in organizing and coordinating this study tour and were supported by Dr. Mohammad Ali, Senior Assistant Professor, Department of Management and HRM, FBA, with direct

coordination and supervision of Dr. Khondaker Sazzadul Karim, Head, Department of Marketing and THM, FBA, AIUB. The study tour was organized under the guidance of Prof. Dr. Farheen Hassan, Director, Undergraduate Program (BBA), FBA. The Department of Marketing, FBA would like to thank AIUB Management, Mr. Manzur H. Khan, Director, Office of Student Affairs (OSA), and Major (Retd) Faiz-Ul-Bari Rajon, Deputy Director, Administration, AIUB, for providing all administrative and logistical support for this study tour.



ESAB AIUB organized Seminar on "Nanotechnology and Fourth Industrial Revolution"

On August 3, 2022 (Wednesday), ESAB AIUB Unit Face successfully organized a seminar titled "Nanotechnology and Fourth Industrial Revolution" which was held at the Multipurpose Hall (level-10), D Building, American International University-Bangladesh (AIUB). The tagline of the event was-"The next biggest thing is really small". The seminar started at 3:30 PM with the presence of 95 teachers and students.

The seminar was inaugurated with an opening remark by Prof. Dr. ABM Siddique Hossain, (Professor and Dean, Faculty of Engineering, AIUB). The seminar was presented by Dr. Mohammad Mahbub Rabbani, (Associate Professor, Department of Chemistry & Deputy Director, Center for Nanotechnology Research (CNR), Dr. Anwarul Abedin Institute of Innovation, AIUB). In his presentation, he briefly explored nanotechnology and its influence on the industrial revolution. He also talked about the challenges of the Fourth Industrial Revolution and how we should prepare to tackle this greatest challenge. Dr. Rabbani also highlighted the social, political, and economic implications of nanotechnology and 4IR. Several domains of nanotechnology and its applications were briefly presented in his speech.

Afterwards, a short interactive discussion session was held where the speaker answered the queries of the participants. Following that, Prof. Dr. ABM Siddique Hossain, (Professor and Dean, Faculty of Engineering, AIUB) thanked the speaker and presented a token of appreciation to the speaker.


CBR & IEEE EMBS AIUB Chapter organized a Seminar on "Biomedical Research for Sustainable Development"

On Wednesday, 27, July 2022, the Center for Biomedical Research (CBR) of the Dr. Anwarul Abedin Institute of Innovation, American International University – Bangladesh (AIUB) in collaboration with the IEEE Engineering in Medicine and Biology Society AIUB Chapter successfully hosted a Seminar titled - "Biomedical Research for Sustainable Development". The objective of this seminar was to offer a series of useful opinions involving the opportunities and obstacles of researching and developing methods to increase sustainability in the biomedical field. Prof. Dr. Md. Abdul Mannan, Director, Faculty of Engineering, AIUB; inaugurated the seminar. At first, he welcomed everyone, and he talked briefly about the field of Biomedical Engineering and the importance of sustainability.

The first speaker of the event was Dr. Mohammad Hasan Imam, Associate Professor, Faculty of Engineering, AIUB. The speaker briefly explained the objectives of his session and explained IEEE EMBS to everyone. He later discussed the sustainability goals published by United Nations (UN) (3 and 9). He reviewed the Bangladeshi perspective of biomedical engineering and explained various technics of Biomedical imaging, rehabilitation engineering, pacemakers, and sensor-based early disease detection systems. In the second half, the other speaker Associate Professor Dr. Humayra Fredous, Deputy Director, Center for Biomedical Research (CBR), Dr. Anwarul Abedin Institute of Innovation & Head-in-Charge, Department of Physics, AIUB; discussed the current scenario of the biomedical field and showed some illustrations of how medical technology works currently in the global arena. She briefly discussed Neural Fields Theory, Brain dynamics, Linear Accelerator, Nuclear Medicine Biophysics, and methodologies regarding different research approaches in the Biomedical sector. Subsequently, she discussed UN sustainable development goals No. 3, 4, and 17 and showed how these goals can help to improve the effectiveness of Biomedical technology.

Afterward, Prof. Dr. Md. Abdur Rahman, Associate Dean, Faculty of Engineering & Director, Dr. Anwarul Abedin Institute of Innovation, AIUB and Prof. Dr. Md. Abdul Mannan, Director, Faculty of Engineering, AIUB; presented tokens of appreciation to the honorable speakers. At the end of the seminar, the closing speech was given by Prof. Dr. Md. Abdur Rahman where he addressed the ethical aspects of the engineering field and thanked the honorable speakers.

DR. ANWARUL ABEDIN LECTURE SERIES: Overview of the Power System of Bangladesh – Current Status and Issues

On July 28, 2022 (Thursday), an informative technical talk titled 'Overview of the Power System of Bangladesh-Current Status and Issues' was held as a part of "Dr. Anwarul Abedin Lecture Series" at the American International University-Bangladesh (AIUB). The seminar was organized by the Faculty of Engineering (FE) in the honour of AIUB's visionary Founder Chairman Dr. Anwarul Abedin who catalysed substantial transformation in the educational sector of the country.

The seminar started at 3 PM in the Auditorium, D-Building, AIUB with the participation of teachers and students from across the faculties. Prof. Dr. Muhammad Riazul Hamid (Multi-sector Consultant) was the esteemed guest speaker for the occasion. The talk was on the overview, status, and issues regarding the power system of Bangladesh. The event was initiated by Prof. Dr. Muhibul Haque Bhuyan (Professor, Department of EEE, Faculty of Engineering, AIUB). Prof. Bhuyan welcomed the distinguished speaker to start his technical talk.

Prof. Hamid began his presentation by talking about Bangladesh's main energy sources and power generation over past 13 years. He also explained system loss, technical and non-technical loss, installed capacity rate, and per capita generation. After that, he discussed about the combined load curve, minimum generation of power, demand of power, and energy curve on July 24, 2022, in different zones of Bangladesh. Finally, the distinguished speaker discussed about the current scenario of imported power support to Bangladesh, public and private power generation by gas, and the contribution of the micro power grid in Bangladesh. The number of power plants in Bangladesh that are currently operational was also presented on a map. The speaker also covered the causes and challenges regarding geopolitical products such as coal and liquid natural gas, and potential solutions associated with the current load shedding.

Afterwards, a short interactive discussion session was held where the speakers answered the queries of the participants. Following that, Prof. Dr. Md. Abdul Mannan (Director, Faculty of Engineering, AIUB) thanked the speaker and presented a token of appreciation to the speaker.

Seminar on "Prospects and Opportunities of Diversity Fellowship for Engineering Students"

The Faculty of Engineering, AIUB organized a seminar titled "Prospects and Opportunities of Diversity Fellowship for Engineering Students" on Thursday, July 21, 2022. The program started at 3:30 PM with 47 pre-registered participants at the DN0610, Building D, AIUB. The purpose of the seminar was to make students more tolerant to their upcoming professional work as well as their own personal life too. The AIUB Community of Engineering Students (ACES) provided their active support in organizing the seminar. In his opening remarks, Mr. Mehedi Azad Shawon (Assistant Professor, Department of EEE, Faculty of Engineering, AIUB) discussed about tolerance. He went on to discuss some actual instances of intolerance that individuals encounter frequently in both the workplace and in daily life. Then he gave a succinct overview of several crucial principles to cultivate tolerance. Later, Mr. Imran Newaz Khurshid (Project Manager, Center for Enterprise & Society (CES), University of Liberal Arts Bangladesh) provided the students with the directive to split up into smaller groups and have a discussion to address problems regarding diversity. He described the procedure and requirements to apply for diversity fellowship program. At the end of his speech, a short question and answer session was held where the speaker answered the queries raised by the participants. Mr. Mehedi Azad Shawon concluded the seminar by thanking the honorable speaker to conduct the session.



AIUB is Ranked in World's Universities with Real Impact (WURI), 2022

Among six different categories of World's Universities with Real Impact (WURI) for 2022 ranking, AIUB is ranked in five categories, i.e., Fourth Industrial Revolution, Crisis Management, Ethical Values, Entrepreneurial Spirit, Industrial Application, globally. In the Fourth Industrial Revaluation category AIUB is top ranked among all the participated universities from Bangladesh. In the Crisis Management and Ethical Values categories AIUB is ranked in the Top 50 list worldwide, and in the Entrepreneurial Spirit and Industrial Application ranking categories AIUB is ranked in the 51-100 range. Moreover, AIUB is in the position of 101-200 in the Global Top 100 Innovative Universities list. Following is the summary illustrating the position of AIUB in WURI 2022 ranking.

Ranking Categories	Rank of AIUB Globally
Top 50 Fourth Industrial Revolution	13
Top 50 Crisis Management	44
Top 50 Ethical Values	48
Entrepreneurial Spirit	51-100
Industrial Application	51-100
Global Top 100 Innovative Universities	101-200

Webinar in English Department on The Social Life of Biometrics

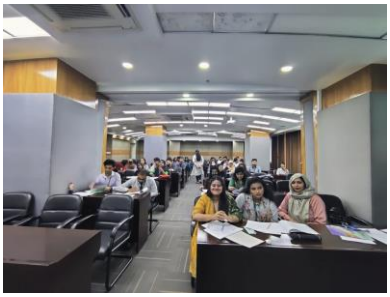
An online research talk by Dr. George C. Grinnell of the University of British Columbia (UBC) on "The Social Life of Biometrics: How Culture and Technology Intersect." was organized by the Department of English, Faculty of Arts and Social Sciences, American International University -Bangladesh (AIUB) on 7th July 2022, 10 PM (BST). Dr. George C. Grinnell is an Associate Professor in the Department of English and Cultural Studies at University of British Columbia, Canada. His talk focused on how the field of biometrics has come to structure some of the ways we think about human mobility and the foundations of identity in the wake of the recent public discussions of migration, including the displacement of millions from Ukraine and Syria and ongoing global concerns with undocumented migrants. The speaker in this webinar tried to also focus on a very serious humanitarian issue taking a very challenging state of opinion against the brutal use of biometric technology to ensure the individual serenity of the developed countries that are politically, economically, and socially in an advantageous position. These advantageous position holders utilize the biometric technology to filter the legal and illegal transgressors in their land. They gratify the system by the satisfaction of depriving the unwanted wretched humanity that are bleeding their foreheads by striking their heads at these secured borders just for a survival from death or hunger. The biometrics, according to the speaker, is looking at only who is trying to intrude but not the circumstances that are making these people helpless to beg help. This unique humanitarian issue of the presentation evoked catharsis in the mind of the audience that attended. The teachers and students of the Department of English, AIUB attended the webinar. The webinar was inaugurated by the Dean of Faculty of Arts and Social Sciences Prof. Dr. Tazul Islam and the Head of the Department of English, Mr. M Hamidul Haque conveyed vote of thanks at the end. He commended the presentation to be unique in approach. The “Seminar, Workshop and Outreach sub-committee” headed by Associate Professor Mr. Asif Kamal, organized the seminar and Mr. Sohel Rana Assistant Professor in the Department of English invited the speaker and moderated the webinar.

WORKSHOP ON "INVESTMENT IN THE CAPITAL MARKET"

The Department of Finance, AIUB, arranged a study tour for students of the course "Investment and Portfolio Management" and "Capital Budgeting" to attend a day long workshop on 11th June 2022. The title of the workshop was "Investment in the Capital Market". The workshop was conducted in BICM with full support provided by Ms Kashfia Sharmeen, Assistant Professor of Bangladesh Institute of Capital Market (BICM). The purpose of the workshop was to provide students of the department of Accounting and Finance, hands on knowledge on the arena of investment in the capital market. This was done by disseminating recent and updated theoretical and practical knowledge by the faculty members of the BICM. The tour was organized & coordinated by Ms. Bohi Shajahan, Senior Assistant Professor Department of Finance. This activity is in alignment with SDG goal 4 (Quality Education) and SDG goal 8 (Decent Work and Economic Growth).

The tour started from Campus with students & Course Instructor at 8am. On reaching the venue, the students completed their registration. The workshop started with a brief introduction of BICM. The topic regarding Investment in Capital Market was discussed by Dr Tamanna Islam Assistant Professor BICM who also provided an overview of the Bangladeshi capital market. Later on Topics on "Secondary trading in Bangladeshi market" and "Financial statements and types of Financing" were discussed by Assistant Professor Ms. Kashfia Sharmeen. The Workshop ended with a vote of thanks from BICM. The students were encouraged by the faculties to implement the right investment knowledge when investing in the capital market.

The Top 5 performers of the session were given a gift voucher worth Tk1000 from BICM. The voucher can be used for any short-term courses offered by the institution. Department of Finance extends its profound thanks to the Office of Students Affairs, Management of the University and the concerned faculties of BICM for providing valuable support to make the study tour a memorable event for the participants.



MoU Renewal Signing with Siam University, Thailand

Continuing on their path of collaborative partnership, the American International University – Bangladesh (AIUB) and the Siam University (SU), Thailand, renewed their Memorandum of Understanding (MoU) on the. 12th of January 2022. AIUB and SU have been affiliated since 2017, developing and engaging in various academic and co-curricular programs geared towards enriching and enhancing higher education for both institutions. During her official visit, Dr. Carmen Z. Lamagna, the Vice Chancellor of AIUB, signed the agreement together with Dr. Pornchai Monkhovanit, the President of SU. Ms. Yhing Sawheny, the Deputy Director for International Affairs from the President's Office at SU was also present during the meeting. Both institutions will be pursuing mutually beneficial initiatives, working together on progressive research, curriculum development, and international exchanges, amongst several other projects that have a positive impact of change on the students and staff of the institutions in the long run.


Faculty of Engineering Organized an Industrial Tour to Rampura 230/132KV Substation

On 18th May,2022, Faculty of Engineering Organized an Industrial Tour to the Rampura 230/ 132 KV Substation, located in Jahurul Islam Project, Aftab Nagar, Dhaka, Rampura, Dhaka. A group of 50 enthusiastic students of AIUB along with 4 faculty members- Mr. Mohammad Khurshed Alam (Assistant Professor, Faculty of Engineering, AIUB), Ms. Susmita Ghosh (Assistant Professor, Faculty of Engineering, AIUB), Mr. S. M. Imrat Rahman (Assistant Professor, Faculty of Engineering, AIUB) and Mr. Mehedi Azad Shawon (Assistant Professor, Faculty of Engineering, AIUB) visited the substation in two groups. The students were taken to the 132 KV and 230 KV substation. The students were guided by the senior engineers of the PGCB. The engineers provided the students first-hand knowledge of the transmission, distribution, protection, and switchgear systems used in the production of electric power. The students were brought to the control room, where a number of PLCs were being used to monitor the entire system of stepping-down the 230KV to 132KV. Afterwards, the senior engineers of PGCB answered various questions asked by the students. The students expressed their heartfelt gratitude towards the authority of the Power Grid Company of Bangladesh (PGCB) for their tremendous support and cooperation. The tour ended with a group photo with all the authorities and engineers, respected faculties and the participants. It was a great learning experience and successful tour for the engineering students.



CELEBRATION OF CAPSTONE PROJECT COMPLETION (ACES) 2022

On September 7, 2022, AIUB Community of Engineering Students (ACES) organised "Celebration of Capstone Project Completion" program for the Summer 2021-22 semester which was supported by the Faculty of Engineering, AIUB. This significant program was held in the Multipurpose Hall, Building-D of American International University-Bangladesh (AIUB). A total of 43 groups defended their projects in front of their respective supervisors, externals, and other faculty members. Following the successful completion of the defence, all the groups competed in a poster competition, where the judges evaluated all the posters. Following that, each participant was given a crest as a token of appreciation for completing their capstone project successfully. Afterwards, a cultural event took place.

The award ceremony commenced with the speech of Prof. Dr. A. B. M. Siddique Hossain (Dean, Faculty of Engineering, AIUB) where he congratulated the students on finishing the capstone project successfully. Later, Prof. Dr. Md. Abdul Mannan (Director, Faculty of Engineering, AIUB), Associate Professor Mr. Nafiz Ahmed Chisty (Head-In Charge [Undergraduate Program], Faculty of Engineering, AIUB), Associate Professor Mr. Md. Saniat Rahman Zishan (Head, Department of Computer Engineering, AIUB), and Associate Professor Mr. Chowdhury Akram Hossain (Deputy Director, Dr. Anwarul Abedin Institute of Innovation & Special Assistant, OSA, AIUB) presented certificate of acknowledgement to the Top-3 groups of Poster Competition. Finally, Mr. Md. Saniat Rahman Zishan announced the name of the three groups who are nominated for the Vice Chancellor Award for Summer 2021-22 semester. Afterwards, Prof. Dr. Md. Abdul Mannan (Director, Faculty of Engineering, AIUB) gave the closing speech where he congratulated all the students and praised their dedication for overcoming the challenges of capstone project. The remarkable program came to an end with a group photo. The entire event was a great success due to the enormous support from the capstone project supervisors of Dept. of EEE and CoE.

Faculty of Engineering Organized an Industrial Tour to Bangladesh Machine Tools Factory (BMTF)

On 9th June 2022, Faculty of Engineering organized an industrial tour at Bangladesh Machine Tools Factory (BMTF) which is located at Joydebpur Gazipur District, Dhaka. Bangladesh Machine Tools Factory Limited (BMTF) is one of the largest state-owned commercial entity of its kind in Bangladesh. It is the leading conglomerate in the industrial hierarchy of the country run by Bangladesh Army. A group of 50 students with 5 faculty members of AIUB visited the industry. The team departed from AIUB permanent campus at 07:15 am and reached Bangladesh Machine Tools Factory at 09:00 am.

Lt General Md Saiful Alam (Quarter Master General & Vice Chairman of BMTF Ltd) wholeheartedly greeted everyone with a short speech and a brief presentation on the mission and vision of Bangladesh Machine Tools Factory. After that, the students were taken to Vehicle Assembly Shop, Pole Factory, Steel Structure Manufacturing Shop, Footwear & Leather Factory, Furniture Factory, Electronic Assembly Shop, Galvanizing Plant by maintaining the safety precautions. Firstly, he explained the chain of production of all the factories. Next, he mentioned that every year the factory is adding huge amount of revenue to the national economy that plays a significant role in the overall development of the country. Afterwards, he answered various questions asked by the students.

Dr. Ramit Azad (Professor, Faculty of Business Administration, AIUB), Dr. Md. Ehasanul Haque (Senior Assistant Professor, Faculty of Engineering, AIUB), Susmita Ghosh (Assistant Professor, Faculty of Engineering, AIUB) and Dr. Md. Mahadi Hasan (Assistant Professor, Faculty of Engineering, AIUB) also participated in this tour. The faculty members and students of AIUB expressed their heartfelt gratitude towards the authority of the Bangladesh Machine Tools Factory for their tremendous support and cooperation. The tour ended with a group photo with all the authorities, engineers, faculties, and the participants. It was a great learning experience and successful tour for the engineering students.


AIUB RANKED IN WORLD UNIVERSITIES WITH REAL IMPACT (WURI) 2022

AIUB has been ranked in top 50 within three categories of World Universities with Real Impact (WURI) 2022. Following the requirements of World Universities with Real Impact (WURI) 2022, AIUB submitted total twelve projects within five categories where followings are the list of submitted projects in each category:

Fourth Industrial Revolution: 3 Projects

Crisis Management: 4 Projects

Ethical Values: 2 Projects

Industrial Application: 2 Projects

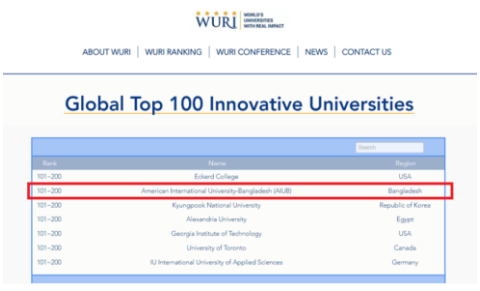
Entrepreneurial Spirit: 1 Project

Based on the submitted projects, WURI has ranked AIUB in TOP 50 in the area of Fourth Industrial Revolution, Crisis Management, and Ethical Values. It is to be noted that WURI has ranked AIUB in the position of 101-200 in Global Top 100 Innovative Universities. Moreover, AIUB has been in the first position in the area of "FOURTH INDUSTRIAL REVOLUTION" among all other universities who have been applied for WURI ranking. Following is the summary illustrating the position of AIUB in WURI 2022.

Areas	Rank of AIUB
Global Top 100 Innovative Universities	101-200
Top 50 Fourth Industrial Revolution	13
Top 50 Crisis Management	44
Top 50 Ethical Values	48

Related links:

https://www.wuri.world/%EB%B3%B5%EC%A0%9C-2021-global-top-100
https://www.wuri.world/%EB%B3%B5%EC%A0%9C-%EB%B3%B5%EC%A0%9C-2021-top-50-crisis-management
https://www.wuri.world/%EB%B3%B5%EC%A0%9C-2021-top-50-crisis-management
https://www.wuri.world/%EB%B3%B5%EC%A0%9C-2021-top-50-ethical-value



Seminar on " Fostering an Effective Research Environment in Higher Education Institutions "

FBA Research Cell and IQAC-AIUB jointly organized an in-house seminar on "Fostering Research Environment in FBA", AIUB on 9th June 2022 from 12:30 to 02:30 pm at Media Studio, Annex 2, Level 2. All faculty members of FBA took part in the session. Dr. Farheen Hassan, Director, Undergraduate Program (BBA), FBA, AIUB presented the Key Note on "The Significance of Research and SDGs in Global Ranking of HEIs" and Mr. A. G. M. Zaman, Member, IQAC, AIUB also highlighted few issues among FBA Faculty members. Dr. Rezbin Nahar, Associate Professor, Department of Management & HRM, FBA, AIUB Highlights on AIUB Central Research Policy and FBA Research Policy to foster research environment. Dr. Md. Faruque Hossain, Professor and Environmental Scientist, Dept. of OSCM, FBA, and Dr. Mohammad Rafiqul Islam Talukdar, Professor, Department of Management & HRM, FBA shared their knowledge on Quality Research and Research Funding. Mr. Mehzabul Hoque Nahid, Assistant Professor, MIS, AIUB shared the publication opportunities and processes of submission to AJBE. At the end there was a Q&A session where most of the faculty members took part and gave their opinions on research policy. Finally, Prof. Dr. Nisar Ahmed, Director, Graduate Program, FBA, thanked IQAC-AIUB and FBA Research Cell for organizing such enriching and knowledge sharing session. And hoped it will enhance quality research work in future. Administrative support was provided by Mr. Zahidul Karim Adib, Officer of the FBA's Dean Office and Mr. Md Mehedi Hasan Emon TA from the FBA Program, under the direct guidance and supervision of Dr. Farheen Hassan, Director, Undergraduate Program (BBA), FBA.

The FBA Research Cell and IQAC-AIUB, are especially thankful to the AIUB Management, Administration, for their support in arranging the session successfully.


Dr. Anwarul Abedin Lecture Series "Sustainable Technologies and Renewable Energy"

As a part of the "Dr. Anwarul Abedin Lecture Series", a regular development initiative of the American International University-Bangladesh (AIUB), a research talk titled "Sustainable Technologies and Renewable Energy" was held at Multipurpose Hall, AIUB from 03:00 PM- 05:00 PM on May 11, 2022. The Center for Nanotechnology Research (CNR), AIUB organized this event and invited prominent researcher Dr. Abdul Halim (Chief Technology Officer, Process Research Ortech Inc., Canada) and Dr. Md. Shahiduzzaman Sohel (Assistant Professor, Kanazawa University, Japan) as distinguished speaker. Dr. Carmen Z. Lamagna (Vice Chancellor, American International University-Bangladesh) commenced the lecture series acknowledging the twenty first century as the era of fourth industrial revolution where nanotechnology plays a significant role with other contributing innovations. Dr. Md. Shahiduzzaman Sohel (Assistant Professor, Kanazawa University, Japan) began his presentation on "High-Performance Perovskite Solar Cells and Experience Sharing on Publication in High Impact Journals". He then went on to cover the relevance of renewable energy generation, performance of various types of solar cells, the use of nanotechnology to renewable energy, and the mechanism of Perovskite Solar Cells in his lecture. He also discussed his experiences and techniques for publishing scientific articles in high-impact journals with the audience, emphasising the importance of local and worldwide research cooperation as well as doing unique research in well-equipped labs.

Later, Dr. Abdul Halim (Chief Technology Officer, Process Research Ortech Inc., Canada) delivered a lecture on "Sustainable Technologies to Produce Battery-grade Lithium Hydroxide from Primary and Secondary Resources" as part of the lecture series, which included industry-academy knowledge and experience sharing. He went on to discuss the mechanism of lithium-ion batteries, prevalent lithium-ion battery technologies, main and secondary lithium hydroxide resources, and the key components utilised in lithium-ion batteries. He also outlined how Bangladesh may become a potential option for primary and secondary lithium hydroxide resources in the near future. Afterwards, a short Q&A session was held where the speakers answered the queries of the participants. Dr. S. Mosaddeq Ahmed (Professor & Head, Department of Chemistry, AIUB) chaired the session and Dr. Mohammad Mahbub Rabbani (Associate Professor, Department of Chemistry, and In-Charge of CNR) moderated the lecture series. The seminar was graced by the presence of Dr. A.B.M. Siddique Hossain (Professor & Dean, Faculty of Engineering, AIUB), Dr. Md. Abdur Rahman (Professor & Associate Dean, Faculty of Engineering, AIUB), Dr. Humayra Ferdous (Associate Professor,& Head-in-Charge, Department of Physics, AIUB), Dr. Md. Kamrul Hassan (Associate Professor, Faculty of Engineering, AIUB), Mr. Md. Saniat Rahman Zishan (Associate Professor & Head, Department of Computer Engineering , AIUB), Mr. Kawshik Shikder (Assistant Professor, Faculty of Engineering, AIUB), Dr. Farzana Khalil (Assistant Professor, Department of Chemistry, AIUB), Dr. Md. Tariqul Islam (Senior Assistant Professor, Department of Chemistry, AIUB), Dr. Effat Jahan (Assistant Professor, Faculty of Engineering, AIUB), Dr. Md. Rifat Hazari (Assistant Professor, Faculty of Engineering, AIUB), Mr. Abul Hasnat (Assistant Professor, Faculty of Engineering, AIUB), Mr. Md. Rabiul Islam (Lecturer, Faculty of Engineering, AIUB). Students and faculty members from other universities were present among the participants.

Business Plan Exhibition Spring 2021-22

The "Business Plan Exhibition Spring 2021-22" was held in the Multipurpose Hall (Annex 7) at 11:00 am, Monday, 18th April, 2022. Prof. Dr. Tazul Islam, Dean in Charge, Faculty of Business Administration, inaugurated the exhibition by welcoming the students along with the guests with an insightful speech. The respected guests Dr. Nisar Ahmed, Director MBA program, Dr. Farheen Hassan, Director BBA program, R. Tareque Moudud, Director Office of Placement & Alumni, Dr. Khondaker Sazzadul Karim Head, Department of Marketing and Tourism and Hospitality Management, along with other faculties of the department were present during the exhibition. The session started with the speech of the eminent guest S M Mustafizur Rahman Bayazid, CEO of Viper Leather, who is a successful entrepreneur as well as an AIUB alumnus. In his speech he shared his experience and motivated the potential student entrepreneurs.

The Department of Management has developed the culture of organizing business exhibition every semester with the selected business ideas generated by the final year student groups of Entrepreneurship Development course from 2011. The objective of the event is to give a platform to the students where they can share their creative business ideas to the academic experts and the invited corporate guests to get feedback for future improvement and implementation of their ideas in reality. It also improves the analytical and problem-solving skill of the students and makes them socially responsible.

The respected guests along with the faculty members visited the exhibition and evaluated the business plans developed by the students. 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. The kind participation of the distinguished guests was greatly inspiring for all the students. After the exhibition, the best projects were selected by the academic and corporate experts and awarded with certificates.

Samia Shabnaz, Senior Assistant Professor, Management Department and Tamanna Nazneen Rahman, Lecturer, Management Department coordinated the event. R. Tareque Moudud, Director Office of Placement & Alumni announced the closing of the seminar by thanking the guest speakers, students and faculty members for organizing the event successfully. Dr. Nisar Ahmed, Director MBA program handed over the token of appreciation to the guest. The exhibition remained open for all till 2:00 pm on that day.



Symposium on Improving Quality and Relevance in Higher Education in Bangladesh

On March 29, 2022, at the Hotel Intercontinental in Dhaka, the British Council hosted a day long symposium on “Improving Quality and Relevance in Higher Education.” A number of local and international stakeholders in higher education were brought together allowing them the opportunities to explore ways to strengthen higher education in Bangladesh. As a part of community development, the British Council invited participants from AIUB to take part in the event. The symposium mainly focused on the importance of establishing a dedicated faculty development center in Bangladesh in hopes of enhancing skills of the faculty members, which are much needed to foster internationalization in higher education in the all possible aspects. The British Council also presented the results of a study centered on employability skills which they funded last year.

The symposium also provided a networking opportunity for the policymakers, development partners, academics, corporate executives, and entrepreneurs. Dr. Farheen Hassan, Program Director, BBA; Dr. Abdur Rahman, Associate Dean, Faculty Engineering; Mr. Hamidul Haq, Head, Department of English, FASS, FBA; Dr. Rezbin Nahar, Associate Professor, FBA; Mr. AGM Zaman, Assistant Professor, Department of Computer Science; Dr. Khaled Amin, Assistant Professor, FBA; Mr. Pronoy Anthony Costa, Assistant Program Evaluator, IQAC; Mr. Imranul Huq, Program Evaluator, IQAC were among the nine people that took part in the said event.

Workshop on Case-based Pedagogy organized by FBA and HR of AIUB

The Faculty of Business Administration (FBA) and HR office of AIUB, organized a workshop on Case-based Pedagogy titled “Business Teaching Cases: What, Why, and How to Deal with Those?” on April 7, 2022, Thursday from 1:30 to 3:30 PM. The Facilitator of this session was Dr. Mohammad Rafiqul Islam Talukdar, Professor, Department of Management & HRM, FBA, AIUB. Dr. Nisar Ahmed, Director MBA Program mentioned about the purpose of the workshop and Dr. Farheen Hassan, Director BBA Program addressed the attendees what is Business Teaching Case and its importance on imparting knowledge, Skill and attitude development. All the faculty members of FBA, AIUB took part in the workshop. Vote of Thanks was delivered by Dr. Faruque Hossain, Professor, Department of OSCM, FBA, AIUB. The workshop deems to be effective in achieving its major objectives because of the keynote speaker's inclusive discussion on the said topic and the faculty members' active participation. FBA faculty members have showed a substantial interest in the special book of teaching cases to be published by FBA.

FBA Faculty Members are recipient of the prestigious "Research Connect" grant of the British Council for the year 2022

A research team led as Chief Investigator by Dr. Farheen Hassan, Program Director, Undergraduate program of FBA has secured the prestigious Research Connect grant worth BDT 500000 to carry out a research project on Higher Education of Bangladesh this year. The British Council, which was incorporated by the Royal Charter and registered as a charity in England, Wales, and Scotland, has consented to award the grant and commissioned the project to the group comprising three members: Dr. Farheen Hassan, Dr. Md. Khaled Amin, and Dr. Rezbin Nahar for the purpose of funding a project submitted by the team in late March this year. The team members are grateful to the management of AIUB for providing them with all the necessary support and encouragement to take part in the said research connect grant.

All the World's a Stage: Drama Contest Organized by the Department of English

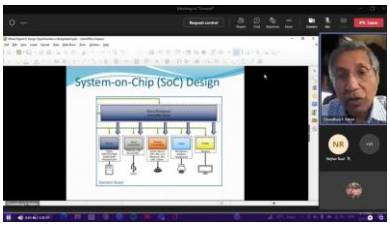
Spring is the usher of regeneration and revival. As American International University-Bangladesh resumed offline classes for the spring 2022 semester, the campus soon rejuvenated with academic activities from students and faculties. Moreover, students were vocal for resuming the regular co-curricular activities under the banner of different clubs and departments of the university. Responding to the appeal of the students, the Department of English organized a drama contest celebrating the classical Shakespearean plays titled, "All the World's a Stage". The contest was held in the afternoon, on 30th March 2022 at Multi-purpose Hall in Annex 7. Performances from four plays by William Shakespeare namely Merchant of Venice, The Tempest, Hamlet and Macbeth were staged by the competing groups. After the contest Team Merchant of Venice was announced champion and Team Macbeth was declared runners-up. The honorable Vice Chancellor of AIUB, Dr. Carmen Z. Lamagna and a special guest Justice J B M Hasan of the Supreme Court attended the prize giving ceremony and distributed crests and certificates among the winners. The performances were adjudicated by three faculties of the department of English. Among the audience, Prof. Dr. Tazul Islam, Dean, Faculty of Arts and Social Sciences, Dr. ABM Rahmatullah, Associate Dean (FASS), Mr. M Hamidul Haque, Head, Department of English along with other faculties from various departments and officials of AIUB were present. In addition, a huge audience comprising the students of AIUB enjoyed the show with cheers and excitement. Earlier, students of the department voluntarily formed four teams comprising a maximum of 7 members in each. With the constant supervision and grooming by the faculties belonging to the subcommittee for cultural programs of the department of English, the teams regularly rehearsed and were groomed for two weeks period prior the competition.

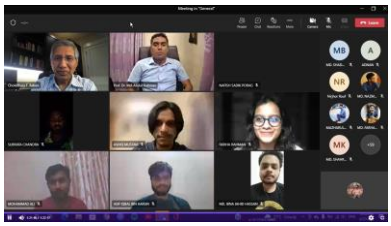
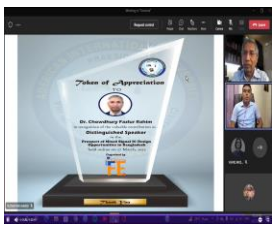
FACULTY OF ENGINEERING, AIUB ORGANISED A WEBINAR TITLED “PROSPECT OF MIXED SIGNAL IC DESIGN OPPORTUNITIES IN BANGLADESH”

Faculty of Engineering, AIUB organised a webinar titled "Mixed Signal IC Design Opportunities in Bangladesh”, which was supported by AIUB Community of Engineering Students (ACES) on March 27, 2022 (Sunday). The program started at 09:00 PM with the participation of about 85 participants using the online platform Microsoft Teams. The purpose of this webinar was to prepare students for the anticipated opportunities and challenges in the IC design & development industries in the near future. Prof. Dr. A.B.M. Siddique Hossain (Professor, Dean, Faculty of Engineering, AIUB; Advisor, ACES) warmly welcomed Dr. Chowdhury Fazlur Rahim (President & CEO, Aromatix inc. USA, Part-time Faculty, UC Davis, USA) to begin his presentation.

Dr. Chowdhury Fazlur Rahim (President & CEO, Aromatix inc. USA, Part-time Faculty, UC Davis, USA) began his speech by acknowledging the revolutionary history of Mixed signal IC design. Firstly, he provided a brief introduction of mixed signal IC and used a flowchart to explain all of the stages of IC design of the Mixed signal based on system designer’s perspective. Furthermore, he emphasised signal conversion using system partitioning block diagram with proper illustration of the difference between analog and digital signal IC design. Later on, he discussed the aspects that may influence IC design decisions that include cost, power, and features. He also went through the process of offshore IC design and expressed his wish to see Bangladesh to be the next alternative in IC design manufacturing country. At the end of his speech, he motivated students to practise and analyse IC projects with strong dedication in order to establish their career in IC designing industries. Then a short Q&A session was held where the speaker answered the queries of the participants.

Following that, Dr. Md. Abdur Rahman (Professor, Associate Dean, Faculty of Engineering, AIUB) thanked honourable speaker and praised the commitment of the speaker towards Bangladeshi as well as AIUB students. He further informed the demand for IC designers as Bangladesh lacks in specialists on VLSI design. Finally, he advised students to focus on skill development more than just securing a job in order to meet the high demand in the job sector. He then presented the virtual token of appreciation to the honourable speaker. The webinar was graced by the presence of Mr. Md. Saniat Rahman Zishan (Associate Prfessor and Head, Dept. of CoE, AIUB), Mr. Abir Ahmed (Assistant Professor, Faculty of Engineering, AIUB) and Mr.Nirjhor Tahmidur Rouf (Lecturer, Faculty of Engineering, AIUB) .



WORKSHOP ON MODEL MAKING

A day-long workshop on architectural model making was organized by the Department of Architecture, AIUB on the 24th of March 2022, at the multi-purpose hall. Around 80 students from Studio III to VI participated in the workshop and a group of enthusiastic students from senior studios facilitated them as volunteers. The workshop was coordinated by the faculties of the department. Three-dimensional model is an essential tool used worldwide to show the quality of spaces in an architectural project. During the past two years of online classes, there was a deterioration in the overall model making skill of junior level students, who were enrolled during the Covid-period. So, the Department thought of conducting a workshop to assist students improve their model-making workmanship through hands-on demonstration.

The workshop commenced with an opening speech from the Head of the Department, M. Arefeen Ibrahim. Following this, Assistant Professor Ar. Saiful Islam Tariq and senior Assistant Professor, Ar. Ashik Ikbal shared some model-making tips and strategies through power-point presentation and live demonstration. After that, organizers of the workshop Ar. Sariful Islam, Ar. Tabassum Zarin, Ar. Nazifa Zabeen, Ar. Rashed Hasan and Ar. Chowdhury Farah Zaki demonstrated the task assigned for workshop to students, with the help of drawings and power-point slides. Students, in a group of two, had to complete a sectional model of the “Azuma House” – an interesting piece of architecture that is situated in the dense urban setup of Osaka. Designed by eminent Japanese architect, Tadao Ando – the solid concrete exterior walls of this residence act as an envelope to ensure privacy of the residents but magical spaces are created inside these walls by integrating stair, courtyard and natural light. A sectional model of this house is a perfect example of how useful architectural models are to appreciate the quality and scale of spaces in a building. The colour scheme and required materials for the models were instructed before the workshop. Students brought their own tools and materials, and drawings were provided by the organizers. Each of the volunteers were assigned four to five groups for supervision. Faculties also went to each group’s workspaces multiple times, to provide hands-on guidance on model-making.

The Dean of Faculty of Engineering, Dr. A B M Siddique Hossain, encouraged the students with his presence and valuable speech. In the afternoon, honourable Vice Chancellor of AIUB, Dr. Carmen Z. Lamagna visited the workshop and appreciated this initiative in her speech. She also handed over some of the certificates to the participants. At the end of the workshop, the complete models were exhibited on the stage and the rest of the certificates were distributed to the participants by Head of the Department, M. Arefeen Ibrahim.

Spontaneous participation of students and faculties, and cordial support from the University Administration made this workshop a vibrant and successful one, which was much required after the long-break in physical classes due to the pandemic.



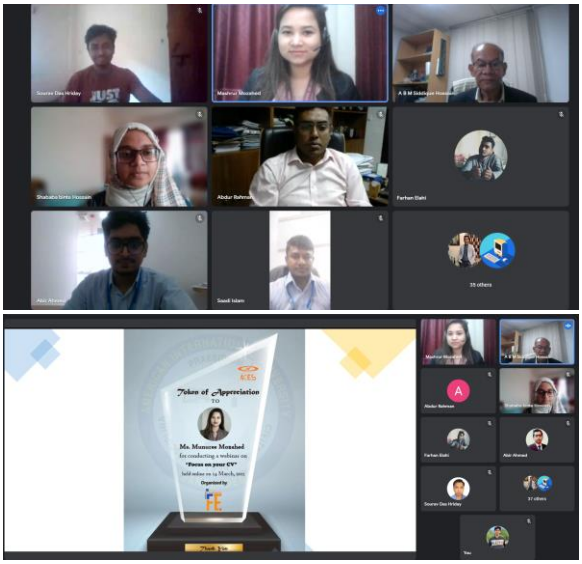
FACULTY OF ENGINEERING ORGANIZED A WEBINAR TITLED "FOCUS ON YOUR CV"

On 24th March 2022, Faculty of Engineering organized a webinar titled "Focus on your CV" which was supported by AIUB Community of Engineering Students (ACES). The program began at 10:00 AM with the participation of around 100 students. The major focus of the webinar was to enlighten participants about how to enrich their career opportunities by developing their CV.

Dr. Md. Abdur Rahman (Professor & Associate Dean, Faculty of Engineering, AIUB) began the webinar by emphasizing the significance of CV writing skill for professional development. He stated that in addition to academics, extra-curricular activities and other soft skills could play a huge role in enhancing one's Curriculum Vitae.

Ms. Munuree Mozahed (Advanced Engineer, LM Ericsson Bangladesh Ltd) inaugurated her speech by stating the importance of preparing CV with best skills, extra-curricular activity, and appropriate information. She highlighted about some of the most frequent mistakes as well as how to eliminate them. Besides, she accentuated on the significance of taking preparation for interview with proper rules and regulations. Afterwards, a short Q&A session was held where the speaker responded to the queries of the participants.

After that Prof. Dr. A.B.M. Siddique Hossain (Dean, Faculty of Engineering, AIUB) thanked the distinguished speaker with a virtual gesture of appreciation for delivering such a great presentation.



WEBINAR ON ROLE OF ACCOUNTING AND FINANCE PROFESSIONALS IN CORPORATE

The Department of Accounting, FBA successfully organized a webinar for major students of accounting through the virtual platform of Zoom on March 30, 2022 [Wednesday] from 6:30 pm to 8:00 pm. The objective of this webinar was to bridge the gap between the academic and professional world where students can prepare themselves in the corporate sector. The key speaker of the session was Md. Fuad Hasan FCA, ACMA (UK), CGMA Vice President, Head of Financial Accounting & Planning, bkash Limited. He shared the functions of different departments in corporate, difference between general accountant and professional accountants, career focused sessions centering professional degrees. He also demonstrated how accountants' function in the field of financial statement preparation, audit, tax and VAT return submission, management reporting, and the accountants' contribution to organizations etc.

This webinar was arranged by Mr. Niaz Mohammad ACMA, Assistant Professor, Department of Accounting, Faculty of Business Administration. Dr. Mohammad Faridul Alam, Associate Professor and Department Head, Accounting moderated the webinar with opening and closing remark. The session was very interactive and ended with question answer session.

Faculty Research and Publication

On-Campus, Virtual, Blended, and Triple Systems of Teaching-Learning: Fitness and relevance for Private Universities in Bangladesh

Author: PROF. DR. FARHEEN HASSAN et al.

Brief Description:

In the transition to the post-pandemic phase, the blended teaching-learning modality seems to be a good solution for universities. But the post-pandemic paradigm seemingly calls for a triple-system of classes, i.e., on-campus classes, blended teaching-learning, and virtual classes separately under separate plans and schedules. The paper explored a clear-cut conceptual understanding of the concepts of “virtual classes”, “blended teaching-learning” and “triple-system of classes”. The study contributed a comprehensive framework with teaching-learning modalities, especially for private universities in Bangladesh, in the pandemic period, the transition to the post-pandemic period, and the post-pandemic paradigm. It also developed a robust model for blended learning.

Source: https://articlegateway.com/index.php/JHETP/article/view/5609/5325

Computation of bio-nano-convection power law slip flow from a needle with blowing effects in a porous medium

Author: DR. MOHAMMED JASHIM UDDIN et al.

Brief Description:

Transport phenomena with fluid flow, heat, mass, nanoparticle species and microorganism transfer external to a needle in a porous medium have many biomedical engineering applications (e.g. hypodermic needles used in hemotology). It is also used to design many biomedical engineering equipment's and coating flows with bio-inspired nanomaterials. Coating flows featuring combinations of nanoparticles and motile micro-organisms also constitute an important application area. A model for convective flow of a power-law nanofluid containing gyrotactic micro-organisms past a needle in a Darcy porous medium is developed. Multiple slips and Stefan blowing effects at the needle boundary are considered. The model features a reduced form of the conservation of equations with appropriate coupled boundary conditions. The governing equations are converted to similarity equations using appropriate invariant transformations. The transformed equations have been solved numerically using the in-built Matlab bvp4c function. The influence of the emerging parameters on the flow characteristics, friction, heat, mass, and micro-organism transfers are discussed in detail. Note that velocity decreases whilst temperature, concentration, and density of motile micro-organism increase with an increase in blowing parameter for shear thinning, Newtonian, and shear thickening fluids. All physical quantities are decreasing with increasing blowing, Darcy, power law and needle size parameters.

Source: https://www.tandfonline.com/doi/abs/10.1080/17455030.2022.2048919

Multiple slip effects on nanofluid dissipative flow in a converging/diverging channel: A numerical study

Author: DR. MOHAMMED JASHIM UDDIN et al.

Brief Description:

mathematical model is developed for viscous slip flow and heat transfer in water/Ethylene glycol-based nanofluids containing metallic oxide nanoparticles, through a converging/diverging channel. We adopt the single-phase Tiwari–Das model. The governing equations are transformed to a set of similarity differential equations with the help of similarity transformation, before being solved numerically using Maple 20. Validation of the velocity gradient and temperature solutions is achieved with the second-order implicit finite difference Keller Box method. Further validation is included for the special case of no-slip nanofluid flow in the absence of viscous heating. The effects of the parameters, namely velocity slip, thermal jump, channel apex angle, Eckert number, Prandtl number, Reynolds number, and nano-particle volume fraction on velocity, temperature, skin friction, and heat transfer rate are investigated in detail. It is found that with increasing velocity slip, for water-TiO2 and ethylene glycol-TiO2 nanofluids, the channel bulk flow is decelerated whilst with greater solid (nanoparticle) volume and in the presence of momentum slip, the flow is also retarded. With the increasing semivertex angle, the channel flow is generally accelerated. An increase in divergent semiangle leads to decelerate the flow from the centerline for the core flow region, whereas near and at the channel wall, it results in a weak acceleration. Higher temperatures are achieved with greater thermal slip values, for both water-TiO2 and ethylene glycol-TiO2 nanofluids, whereas for greater nanoparticle volume fraction, temperatures are weakly decreased for water-TiO2 whereas a more significant decrease is observed for ethylene glycol-TiO2 nanofluid. With a greater diverging channel angle, a substantial decrease in temperatures is caused by greater Reynolds numbers, and the reverse effect is computed for the converging channel. The novelty of the current work is that it extends previous studies to include multiple slip effects and viscous heating (Eckert number effects), which are shown to exert a significant influence on heat and momentum transfer characteristics. The study is relevant to certain pharmaco-dynamics devices (drug delivery), next-generation 3D nanotechnological printers, and also nano-cooling systems in energy engineering where laminar flows in diverging/converging channels arise.

Source: https://doi.org/10.1002/htj.22341

A Comprehensive Study to Investigate Student Performance in Online Education during Covid-19

Author: PROF. DR. DIP NANDI et al.

Brief Description:

During the recent Covid-19 pandemic, there has been a tremendous increase in online-based learning (e-learning) activities as nearly every educational institution has transferred its programs to digital platforms. This makes it crucial to investigate student performance under this new mode of delivery. This research conducts a comparison among the traditional educational data mining techniques to detect the best performing classifier for analyzing as well as predicting students' performance in online learning platforms during the pandemic. It is achieved through extracting four datasets from X-University student information system and learning platform, followed by the application of 6 classifiers to the extracted datasets. Random Forest Classifier has demonstrated the highest accuracy in the first two out of the four datasets, while Simple Cart and Naïve Bayes Classifiers presented the same for the remainder two. All the classifiers have demonstrated medium to high TP rates, class precision and recall, ranging from 60% to 100% for almost all of the classes. This study emphasized the attributes that have a direct impact on students' performance. The outcomes of this study will assist the instructors and educational institutions to identify important factors in the analysis and prediction of student performance for online program delivery.

Source: https://www.mecs-press.org/ijmecs/ijmecs-v14-n3/IJMECS-V14-N3-1.pdf

A Comparative Analysis among Online and On-Campus Students Using Decision Tree

Author: PROF. DR. DIP NANDI et al.

Brief Description:

COVID-19 hit the world unexpectedly, forcing humans to isolate themselves. It has placed the lives of people in jeopardy with its fury. The global pandemic had a detrimental effect on the worlds' education spheres. It has imposed a global lockdown, with a negative impact on the students' lives. Continuing regular classes on-campus was out of the question. At that moment, online learning came to us as a savior. The quality of online education was yet to be tested on a large scale compared to regular schooling. Educational data mining is a modern arena that holds promise for those who work in education. Data mining strategies are developed to uncover latent information and identify valuable trends that can increase students' performance and, in turn, contribute to the improvement of the educational system in the long run. This research mainly aims to identify a comparative analysis of the students' academic performance between online and on-campus environments and distinguish the significant characteristics that influence their academic endeavors. The impact of the factors on the students' performance is visualized with the help of the Decision Tree Classification Model. This paper will assist in giving a good overview that influences the distinguished factors on students' academic performance. Moreover, educators will also be benefited from this paper while making any important decision regarding the educational activity.

Source: https://www.mecs-press.org/ijmsc/ijmsc-v8-n2/IJMSC-V8-N2-2.pdf

Investigation of Computing Students' Performances in a Fully Online Environment During COVID-19 Pandemic

Author: PROF. DR. DIP NANDI et al.

Brief Description:

COVID-19 hit the world unexpectedly, forcing humans to isolate themselves. It has placed the lives of people in jeopardy with its fury. The COVID-19 has a detrimental effect on the world's education spheres. It has imposed a global lockdown, with a negative impact on the students' lives. Continuing regular classes' on-campus were out of the question. At that moment, online learning came to us as a savior. The quality of online education was yet to be tested on a large scale compared to regular education. This paper reveals the factors that influence four programming courses from Computing students at X University and puts them on the table with an analysis backing it up so that, in future, authorities can design the proper structure for high quality online education.

Source: https://mjsat.com.my/index.php/mjsat/article/view/36

Image of Bangladesh through the imageries of Bangladeshi currency

Author: AJMERI NUSRAT SHOMA et al.

Brief Description:

Purpose of the Research: This research tried to explore the trend of the images printed on Bangladeshi 'Taka' and tried to open up the probable reason behind selecting the significant images by identifying the chronological change of circulated images in Taka.

Methodology: In this research, analysis of transition of images on Taka in different time periods after independence (1971) in respect of the political and economic state of Bangladesh has been portrayed. Chronological developments of Taka and the comparisons with international currency images have been done to reveal the 'image of Bangladesh'. To perform these, several instruments are applied like field survey, observation and literature review. Only paper notes have been considered for the research.

Core findings: There will hardly be a country in the world that does not have its own currency. Images on that currency definitely are the most applied advertisement for that country which we may overlook mostly. This paper addressed that our Taka not only represent our living heritage where we can discover agrarian society, uniqueness of landscape, architecture, national emblems, national heroes, but also reveal our culture, religion, economy and development with nationalist ideology.

Research Implications: Each country has its own unique currency. Inevitably we all have to use currencyon a daily basis and willingly or not willingly have to glance at the note and the images

on it. These images of the currency of each country represent their own history, identity, culture over time. Bangladesh is also not behind in this learning. These illustrations create an image on the user's mind where they find the agrarian, riverine Bangladesh through the imageries of Bangladeshi currency. This analytical paper may reveal a new source to understand Bangladeshi culture and nationalistic sprit and canbecome a resource for the anthropologist and historian.

Limitation and future directions: It is a critical and theoretical analysis on an intriguing topic which we usually overlook mostly. Firsthand interviews with the decision makers, who are authorizedto select the images on Taka could make the research deeper.

Source: https://ajbe.aiub.edu/index.php/ajbe/article/view/132

Employability Skill required for Human Resource Graduates: A Literature Review

Author: SAMIA SHABNAZ et al.

Brief Description:

Purpose of the study: educational need to evaluate the quality of education not only to prepare their graduates for the labor market but also for accreditation authorities. Additionally, there is evidence that a significant portion of graduates wait several years before joining the employment market. Moreover, the primary cause of unemployment, in the eyes of the companies, is the wide disparity between graduate-level skills gained at university and those needed by employers. As graduates joining different professional domains require various sets of abilities, this study focuses on determining the employability skills necessary for Human Resource (HR) graduates.

Methodology: In order to determine the essential competencies needed and the areas of mismatch, a total of 21 pertinent research on the employability skill of HR graduates were evaluated. The articles from the past ten years were chosen based on their high number of citations, and relevance to the research topic. Google Scholar was used for searching the relevant research papers. Findings: The paper identified the most required skills for HR personnel, which includes communication and interpersonal skills, the ability to adapt, technical skills and comprehensive business knowledge.

Implications: This is a novel contribution to the body of knowledge on the employability abilities of recent HR majors. Students can use the article to better understand the demands of the labor market, and educational institutions can use it to rectify any gaps and adapt their curricula considering the discovered skill gap.

Limitations and Future direction: This study is limited to literature reviews which only identified the most researched skills using previous papers. Future quantitative studies can be developed to identify the skill set by taking into consideration the input of all stakeholders regarding graduates' employability.

Source: https://ajbe.aiub.edu/index.php/ajbe/article/view/133

Correlation among the structural, electric and magnetic properties of Al3+ substituted Ni–Zn–Co ferrites

Author: DR. NUSRAT JAHAN et al.

Brief Description:

This study explored the structural, electrical, and magnetic properties of diamagnetic aluminium (Al3+) substituted nickel-zinc-cobalt (Ni–Zn–Co) mixed spinel ferrites, though the research on this area is in the infancy stage. Single-phase cubic spinel structures with the Fd[3 with combining macron]m space group of the synthesized Ni0.4Zn0.35Co0.25Fe(2−x)AlxO4 (0 ≤ x ≤ 0.12) ferrite samples were confirmed by X-ray diffraction (XRD) analysis. The average particle size ranged from 0.67 to 0.39 μm. Selected area electron diffraction (SAED) patterns were indexed according to the space group Fd3m, representing the particle's crystallinity. The optical band gaps ranged from 4.784 eV to 4.766 eV. Frequency-dependent dielectric constants and ac conductivity measurement suggested that the prepared ferrites were highly resistive. Relaxation times were reduced to a low value from 45.45 μs to 1.54 μs with the composition x. The Curie temperatures (Tc) were 615–623 K for all samples. Real part permeabilities (μ/) were relatively stable up to an extended frequency range of 106 Hz with relative quality factors (RQF) of around 103. Tuning of the properties indicates that the fabricated ferrites may be promising for high-frequency electronic devices.

Source: https://pubs.rsc.org/en/content/articlelanding/2022/ra/d1ra09354a

A hybrid framework based on genetic algorithm and simulated annealing for RNA structure prediction with pseudoknots

Author: PROF. DR. MD. RAFIQUL ISLAM et al.

Brief Description:

RNA structure prediction with pseudoknots is an NP-complete problem, in which an optimal RNA structure with minimum energy is to be computed. In past decades, several methods have been developed to predict RNA structure with pseudoknots. Among them, metaheuristic approaches have proven to be beneficial for predicting long RNA structure in a very short time. In this paper, we have used two metaheuristic algorithms; Genetic Algorithm (GA) and Simulated Annealing (SA) for predicting RNA secondary structure with pseudoknots. We have also applied a combination of these two algorithms as GA-SA where GA is used for a global search and SA is used for a local search, and conversely SA-GA, where SA is used for a global search and GA is used for a local search. Four different energy models have been applied to calculate the energy of RNA structure. Five datasets, constructed from the RNA STRAND and Pseudobase++ database, have been used in the algorithms. The performances of the algorithms have been compared with several existing metaheuristic algorithms. Here we have obtained that the combination of GA and SA (GA-SA) gives better results than GA, SA and SA-GA algorithms and all other four state-of-art algorithms on all datasets.

Source: https://www.sciencedirect.com/science/article/pii/S1319157820303256?via%3Dihub

An efficient ROI detection algorithm for Bangla text extraction and recognition from natural scene images

Author: PROF. DR. MD. RAFIQUL ISLAM et al.

Brief Description:

This research work plays a significant role in finding information from the scene images to fulfill the demand of real life applications like detection of license plate, navigation of robot and helping the visually impaired persons. Here, a new algorithm has been proposed and applied on the scene images to extract Region of Interest (ROI). All the Bangla words are then separated from a sentence by analyzing and applying the Connected Component (CC) method along with bounding box technology. Another new algorithm has been proposed and applied to apart and bring-out Bangla characters from the Bangla words. This algorithm works by the method of vertical scanning of the images of Bangla words. Finally, the extracted characters are recognized by using the Support Vector Machine (SVM) as a classifier which works with Histogram of Oriented Gradient (HOG) features. There are 500 scene images with variations in colors, writing styles and orientations in our designed database. The proposed algorithm yields the accuracy 92.70% and 93.23% in extraction of ROI and character respectively. In the recognition of Bangla characters (digits, Basic characters, and joined characters), the average accuracy is 99.16%. The recognition accuracy of Bangla characters using Convolutional Neural Network (CNN) is also calculated and the obtained result is 83.52%.

Source: https://www.sciencedirect.com/science/article/pii/S1319157822000349?via%3Dihub

Protein Complex Prediction in Large Protein-Protein Interaction network,

Author: PROF. DR. MD. RAFIQUL ISLAM et al.

Brief Description:

Due to high computational complexity, the detection of protein complexes in large protein–protein interaction (PPI) networks remains a challenging problem. Finding the actual protein complexes from a large PPI network requires a sophisticated algorithm. The protein complexes exhibit in densely connected sub-graphs in a PPI network. This paper presents a novel algorithm based on a metaheuristic method for protein complex prediction in large PPI networks. The algorithm mimics the density-based graph clustering method with biological heuristics to identify the protein complexes. The algorithm is enhanced by a local search algorithm and three repair operators. A new function has been developed for computing cluster density. The method was applied to the yeast and human protein interaction data and compared with the state-of-the-art algorithms. The comparisons demonstrate the best performance of the proposed algorithm in terms of accuracy and f-measure.

Source: https://www.sciencedirect.com/science/article/pii/S2352914822000934?via%3Dihub

Cluster- based Authentication Process in a Smart City

Author: PROF. DR. MD. RAFIQUL ISLAM et al.

Brief Description: The widespread deployment of the Internet of Things in any smart city provides a regular flow of huge amount of data in server(s) that poses challenges for effective and efficient management to improve the quality of citizens' life. To maintain the privacy and security of these data, a proper and secured identification and authentication process is very essential. In this paper, we propose a cluster-based identification and authentication process for the users, edge servers, and service servers, which are engaged in storing, processing, and accessing data. The proposed identification and authentication process is secured due to some codes (values), which are not possible to compute except by the concerned entities. For the proposed trust evaluation method (which actually strengthens the proposed authentication process), we consider major components and their integration in the model very carefully so that the simulation results become credible. Hence, we hope that the simulation results will be useful for the readership. As a whole, the proposed approach has potentials of being implemented in real-time applications.

Source: https://doi.org/10.1155/2022/5186376

Learners' Attitude towards the Adaptation of CLIL in Undergraduate English Literature Courses in a Private University Context in Bangladesh

Author: MD. ASIF KAMAL et al.

Brief Description: For lack of competence in English language, students of BA English program in private universities in Bangladesh appear to struggle understanding lessons of literary contents (Alam, 2018). To help students with adequate skills in English, adapting Content and Language Integrated Learning (CLIL), with equal emphasis on subject teaching and language teaching for enhancing both the skills of communicating and transferring the content knowledge, appears to be more effective than just lecture-based content teaching of literature. Then again, the success of CLIL in literature classes depends on learners' positive attitude towards it (Dörneyi, 1990; Dörneyi, 2001; Gardner & Lambert, 1972; Heckhausen, 1991). Therefore, this research intends to explore learners' perception about adapting task-oriented literary materials integrating both content and language teaching for developing students' comprehension level of literary contents as well as enhancing their English language skills simultaneously. This paper, a fraction of bigger research, will focus on the findings of questionnaire and interviews to address learners' perspectives regarding the strengths of using CLIL in undergraduate English literature classes in Bangladesh. A group of 1st year undergraduate students of English literature courses in a private university participated in this research. The quantitative data from questionnaire was analyzed using Excel spreadsheet and qualitative interview data was analyzed thematically. Based on the analysis of findings, the research identified that the learners expressed their mixed attitude towards CLIL in literature classes regarding its strengths and weaknesses. Majority of the learners with weaker language skills enjoyed CLIL whereas learners with better language skills preferred lecture-based lessons instead of CLIL.

Source: https://deh.ulab.edu.bd/publications/crossings/crossings-archive/2021-vol-13-no-1/kamal

Image of Bangladesh through the Imageries of Bangladeshi Currency

Author: HASAN AHMED CHOWDURY et al.

Brief Description:

This research tried to explore the trend of the images printed on Bangladeshi 'Taka' and tried to open up the probable reason behind selecting the significant images by identifying the chronological change of circulated images in Taka.

Source: https://ajbe.aiub.edu/index.php/ajbe/article/view/132

Employability Skill required for Human Resource Graduates: A Literature Review

Author: BOHI SHAJAHAN et al.

Brief Description:

Purpose of the study: Educational institutions need to evaluate the quality of education not only to prepare their graduates for the labor market but also for accreditation authorities. Additionally, there is evidence that a significant portion of graduates wait several years before joining the employment market. Moreover, the primary cause of unemployment, in the eyes of companies, is the wide disparity between graduate-level skills gained at university and those needed by employers. Thus, this study focuses on determining the employability skills necessary for Human Resource (HR) graduates because graduates joining different professional domains require various sets of abilities.

Methodology: In order to determine the essential competencies needed and the areas of mismatch, a total of 21 pertinent research on the abilities and characteristics of HR graduates were evaluated. The articles that were chosen were those that were published during the last ten years, had a high number of citations, and were relevant to the research topic.

Findings: The paper identified the most required skills for HR personnel, which includes communication and interpersonal skills, the ability to adapt, technical skills and comprehensive business knowledge.

Implications: This is a novel contribution to the body of knowledge on the employability abilities of recent HR majors. Students can use the article to better understand the demands of the labor market, and educational institutions can use it to rectify any gaps and adapt their curricula considering the discovered skill gap.

Limitations and Future direction: This study is limited to literature reviews which only identified the most researched skills using previous papers. Future quantitative studies can be developed to identify the skill set by taking into consideration the input of all stakeholders regarding graduates' employability.

Source: https://ajbe.aiub.edu/index.php/ajbe/article/view/133

University's Contribution to Promote a Major for the Potential Students: A study on MIS. 19(1), 169-191.

Author: PROFESSOR DR. MD. FARUQUE HOSSAIN et al.

Brief Description:

Various factors come into play while choosing an academic major; however, the decision to choose a major is an important and oftentimes irreversible step in student's life. Fresh into University right after reaching adulthood, students often agonize over their choices in the first few semesters in business studies programs. Business schools have been consistently adding new majors in accordance with current demand to their academic curriculum giving more choices and, thus, complicating student's decision making further. Moreover, students need to be able to find suitable major commensurate with their expectation, therefore, this study aims to explore those factors that student considers most important. With a view to exploring the thought processes of students when this choice is made, therefore, decision is taken to interview both current and ex-students. To fulfill the requirements of study objective, substantial amount of time spent with students, not less than thirty minutes with each student individually, and discussed in detail carefully prepared topics and questions. However, to substantiate students' claims, administered a survey prior to interviewing students without them knowing whether they would be invited for personal interview. The questions for both the survey and interviews have been made in consultation with prior researches done on the subject by renowned researchers. Research findings are highlighting the struggles students faced and factors they considered. Furthermore, research also brought to light some unexpected influences students had on their lives in making the decision. To our knowledge, the study is unique in Bangladesh as most researchers had focused their research on subjects overseas.

Source: https://ajbe.aiub.edu/index.php/ajbe/article/view/115/111

Data Security and Privacy in Cloud Computing Platforms: A Comprehensive Review

Author: SHARFUDDIN MAHMOOD et al.

Brief Description:

Cloud computing is the on-demand usage of computer resources through the internet, allowing us to relocate application software and databases. Its purpose is to deliver IT services that enable clients to benefit from the pay-per-use model's substantial cost advantages and the ability to flexibly scale up or down without having to make significant investments in new hardware. On the other hand, the provider manages the data and services under this cloud architecture. Consequently, cloud clients have less control over their outsourced data and depend on cloud service providers to safeguard their data and infrastructure from both external and internal threats. In this study, we look at information security in cloud computing. It is the consideration of information on the cloud, considering security concerns. This article will go through data protection strategies utilized all around the globe to provide optimum data security by lowering risks and threats. Information accessibility is beneficial for various cloud applications, but it poses risks by exposing data to apps that already have security escape clauses. In addition, the presentation will outline information security highlights for Data in Transit and Data at Rest.

Source: https://ijcsrr.org/single-view/?id=6001&pid=5969

Non-Performing Loans and Banking Sector: Evidence from Bangladesh

Author: MD. JOYNAL ABEDIN et al.

Brief Description:

A large number of previous studies have highlighted that the non-performing loans (NPLs) have instigated a negative influence on the growth of the banking business. For Bangladesh, this issue is a serious concern as the numbers have seen a rise in the coming years. Thus, the objective of this paper is to primarily identify the main bank- specific and external determinants of NPLs in the commercial banks listed in DSE from the period 2008–2019. It also aims at portraying the relation of these variables in addition to demonstrating the NPL trending Bangladesh. Hence, by considering the NPL as an endogenous variable, this research adds value to the existing literature by determining the relation of different factors. In addition, it provides relevant recommendations in order to address the severity of this problem.

Source: https://sams.edu.in/wp-content/uploads/2022/12/Valume13-14-2021-22.pdf

Ramifications of Corruption Perception Index: An Exploratory Data Analyses using DBSCAN

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

he perception of corruption in any country is the most crucial aspect for its catastrophic effects on other vital indices, such as education index, ladder score, and GDP. This paper provides an analytical analysis of a collective dataset that identifies changes in perceptions of corruption using various comparable indicators. We aggregate information from many open-source data repositories to create a collective dataset. Furthermore, we conduct a detailed investigation of the elements that influence the perception of corruption in every country. In addition, we form clusters using the density-based spatial clustering of applications with noise (DBSCAN) approach and present our findings. We discover a significant relationship among the education index, GDP, ladder score, and social support based on corruption perception.

Source: https://dl.acm.org/doi/10.1145/3542954.3542956

Performance Analysis of Parallel Overlapping Community Detection Algorithms in Large-scale Social Networks

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

In today's online social network systems, various communities comprising various unique characteristics and interests play a significant role in complex network analysis. Often such communities comprise nodes which belong to many different communities, resulting rise of parallel overlapping communities. To effectively detect such parallel overlapping communities, various algorithms have been proposed based on node clustering, edge clustering and other approaches. In this paper, these algorithms to detect parallel overlapping communities are studied thoroughly, and their performances are analyzed comparatively. Graph-based approach such as Sequencial Clique Percolation (SCP), intrinsic Longitudinal Community Detection (iLCD), link-based approach such as Top Graph Clusters (TopGC), fuzzy-based approach such as Cluster-Overlap Newman Girvan Algorithm (CONGA), agent and dynamic-based and modularity scoring based approach etc. are comparatively analyzed to evaluate their performance for overlapping community detection using dataset from Zachary karate club and Stanford large network. Analysis conducted on SCP and iLCD using the same datasets show that SCP cannot detect dynamic overlapping communities in a dense network as effectively as iLCD. It is also observed, CONGA can detect the distinctive community clusters in Zachary karate dataset. It is also noted that TopGC is suitable in detecting overlapping clusters from large networks with limited time and memory usage, making it useful for experiments in workstations with lower specs and limited processing power.

Source: https://dl.acm.org/doi/10.1145/3542954.3543044

Training Tracker: A Training Management System

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

Competing requires us to sharpen our skills and present ourselves confidently. Organizations such as colleges, enterprises, training centers, and clubs provide diverse training to help us grow our skills. On the other hand, manual management causes challenges for the organizer, trainer, and trainee and is not always maintained. This paper proposed a specialized training management system. We propose a system that removes all inconsistencies and provides an appropriate solution for tracking and monitoring all training in one location. Multiple learning management systems may provide a temporary solution, but this system offers a permanent one-stop solution where anybody can monitor and verify each trainee’s participation. In our comparison research, we help to develop a learning community, which provides us with a large quantity of data for future analysis.

Source: https://link.springer.com/chapter/10.1007/978-3-031-19958-5_103

Exploration of Online Fake News Through Machine Learning and Sentiment Analyses

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

With the progress of technology throughout the world, the rapid adoption of online platforms is rising daily. It is quickly becoming a primary source of information, and we rely on it to get the latest news in the simplest possible way. However, many different forms of news are available online, and it might not be easy to recognize and pick reliable news. This paper uses supervised learning to recognize false news using four machine learning algorithms: Logistic Regression, Decision Tree, Gradient Boosting, and Random Forest, simultaneously on a valid dataset. We conducted a performance study of these prediction models and discovered that Logistic Regression and Gradient Boosting perform well on the dataset. Besides, we evaluate false and real online news sentiments to find the distinctions between these two forms of news in our relative contribution. This paper incorporates all of our unique observations than that of other ones. Furthermore, our outcomes are concrete, precise, and significant.

Source: https://doi.org/10.1007/978-3-031-19958-5_41

An Implementation of Basic Ant-Colony Optimization Based Routing in6 of 11 Wireless Sensor Networks

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

This paper demonstrates Ant Colony Optimization in Wireless Sensor Networks (WSNs) while considering limitations such as limited energy, memory, and processing capacity. This network provides a diverse set of applications that may benefit from it. Just a few examples include environmental monitoring, medical care, and military surveillance. Wireless Sensor Networks are based on a large number of computer simulations. In WSNs' deployment scenarios, this protocol reduces the amount of data sent while increasing the amount of energy used. Many innovations have been developed to overcome the inherent limitations of these networks. There are several experimental solutions explicitly designed for them. WSNs are required for flexible thinker algorithms that consider the most significant limitations of ant-based routing techniques. The goal of these tools is to make the network last longer. We develop a unique routing protocol using Basic Ant-Colony Optimization Based Routing (BABR) at the Ant Colony Optimization heuristic. For this study, we select the Agargoan area in Dhaka, Bangladesh, for the MATLAB simulation.

Source: https://link.springer.com/chapter/10.1007/978-3-031-19958-5_11

Is RDBMS or NoSQL Better Suited for MIS?: A Comparative Analysis

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

This research compares and analyzes NoSQL and relational database management system (RDBMS) and identifies and recommends the best databases for management information systems (MIS). With the advent of database systems, we now have more alternatives for creating any system and deciding between SQL and NoSQL for an MIS. Every second, a rising amount of data is produced at MIS. Exponential data generation is forcing us to reconsider data management strategies. Almost every business or corporation requires an MIS to keep track of their data. Many corporations and commercial organizations use a variety of database systems. Traditional relational databases are built around atomicity, consistency, isolation, and durability (ACID) properties, whereas NoSQL is built around basically available, soft state, and eventually consistent (BASE) features. Most management information system applications use RDBMS but not NoSQL. Through performance studies, we find out why RDBMS, rather than NoSQL, is the most often utilized database in MIS.

Source: https://doi.org/10.1007/978-3-031-19958-5_106

False Smut Disease Detection in Paddy Using Convolutional Neural Network

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

Rice false smut (RFS) is the most severe grain disease affecting rice agriculture worldwide. Because of the various mycotoxins produced by the causal pathogen, Villosiclava virens, epidemics result in yield loss and poor grain quality (anamorph: Ustilaginoidea virens). As a result, the farmers' main concern is disease management measures that are effective, simple, and practical. Because of this, we look at the image of the RFS to understand and predict this severe grain disease. This research proposes a model based on the Convolutional Neural Network (CNN), widely used for image classification and identification due to its high accuracy. First, we acquire data from actual rice farming fields with high-resolution RFS images. Then, we train and test our model's performance using actual images to compare and validate it. As a result, our model provides 90.90% accurate results for detecting the RFS in actual photos. Finally, we evaluate and record all of the data for subsequent studies.

Source: https://link.springer.com/chapter/10.1007/978-3-031-34619-4_2

Essential Digital Literacy Assessment of BBA Students : Empirical Evidence from Bangladesh

Author: MD. MEHZABUL HOQUE NAHID et al.

Brief Description:

Purpose of the study: The purpose of this study is to explore the underlying digital literacy competence and perceptions of business school undergraduate students.

Methodology: 412 BBA students from American International University- Bangladesh participated in a series of assessments to assess their digital abilities, perspectives, and conceptions of digital literacy. Using a quantitative research approach, this study compared empirical data.

Findings: The result provided insight into the possessed skills and revealed students need more assistance developing higher-order digital literacy abilities. The competence findings revealed that just one-third of them could manage to do what they claimed. Due to the tendency of low performers to exaggerate their abilities, self-evaluation surveys fall short in the practical assessment. In terms of some specific fields, the students did better scores compared to the self-assessment task.

Implications: The findings of this research add to our knowledge of the difficulties associated in the area of teaching digital literacy in business schools. Examining students' reflections may help to broaden the scope of digital literacy instruction in business school programs.

Limitations and Future direction: A significant drawback of this research is the small sample size collected from one organization and the lack of diversity in sampling across all three rounds.

Value: Additionally, this study will stimulate additional research to inform official policy regarding the development of digital literacy strategies, information literacy policies, and the design of valid and relevant digital literacy curriculum content for business students and possibly the larger higher education community in digitally divided developing nations.

Source: https://ajbe.aiub.edu/index.php/ajbe/article/view/ajbe19-2-10

Do Human Capital Factors enhance Business Growth? A study of Dhaka Metropolitan area's young entrepreneur in Bangladesh

Author: DR. KHONDAKER SAZZADUL KARIM et al.

Brief Description:

Human capital is seen as a critical resource in projecting the growth of any business initiative, particularly the survival of young-owned businesses. Investigating the human capital capabilities of young-owned companies has been a hot topic of conversation recently since young entrepreneurs confront distinct obstacles not faced by non-Middle-class entrepreneurs. This research aims to determine the effect of human capital determinants on the business growth of young entrepreneurs in Bangladesh's eastern area. The elements of human capital were business education, business experience, and business skills. A structured questionnaire was utilised to

gather data from 280 young entrepreneurs who are members of their district chambers of commerce in the Dhaka Metropolitan Area. A simple random selection technique was employed to choose the technique frame. The data analysis technique used was Structural Equation Modelling (SEM) using AMOS in SPSS 23.0. The structural model research revealed that business experience and business skills had a strong and positive link with the growth of young entrepreneurs in Bangladesh. However, business education had no significant effect on their business success. This situation is prevalent among Bangladeshi middle-class families, particularly in the Dhaka Metropolitan Area, where most residents are urban. However, some can overcome this obstacle and reach their business activity. Young entrepreneurs, chambers of commerce, and decision-makers may utilise this study's findings as a template for gaining insights. They can use it to interpret the issues affecting the human capital of Bangladesh's young entrepreneurs' business growth.

Source: http://journal.msu.edu.my/jle-journal-year.php?search=2022

Exploring the relationship between journals indexed from a country and its research output: an empirical investigation

Author: DR. ASHRAF UDDIN et al.

Brief Description:

Scientific journals are currently the primary medium used by researchers to report their research findings. The transformation of print journals into e-journals during the last two decades has not only simplified the process of submissions to journals but has also increased their access across the world. It is well-known that there are significant differences in the total number of journals indexed from different countries. It is, however, not very concretely known whether the lack of appropriate number of publication venues in a country (including in one or more subject areas) may inhibit its publication propensity in one way or other. This article, therefore, attempts to explore the relationship between the number of journals indexed from a country and its research output. Scopus database is used as reference database and the master journal list of Scopus is analysed to identify number of journals indexed from 50 selected countries, that have significant volume of research output. The publication data for the countries is obtained from Scopus. The following major relationships are observed: (a) number of journals from a country and its research output, (b) growth rate of journals and research output for different countries, (c) global share of journals and research output for different countries, and (d) subject area-wise number of journals and research output in that subject area for different countries. The results show that for majority of the countries, the number of journals indexed is positively correlated to their research output volume. A similar relationship is also observed in the subject area-wise analysis, confirming existence of the positive correlations between number of journals in a subject area and the research output in that subject area. However, several countries do not fully conform to the observed relationship, indicating that there are several other factors driving the research output of a country. The study, at the end, presents a discussion of the outcomes and provides implications for policy perspectives for different countries.

Source: https://link.springer.com/article/10.1007/s11192-022-04366-x

On-Campus, Virtual, Blended, and Triple Systems of Teaching-Learning: Fitness and Relevance for Private Universities in Bangladesh

Author: DR. REZBIN NAHAR et al.

Brief Description:

In the transition to the post-pandemic phase, the blended teaching-learning modality seems to be a good solution for universities. But the post-pandemic paradigm seemingly calls for a triple-system of classes, i.e., on-campus classes, blended teaching-learning, and virtual classes separately under separate plans and schedules. The paper explored a clear-cut conceptual understanding of the concepts of “virtual classes”, “blended teaching-learning” and “triple-system of classes.” The study contributed a comprehensive framework with teaching-learning modalities, especially for private universities in Bangladesh, in the pandemic period, the transition to the post-pandemic period, and the post-pandemic paradigm. It also developed a robust model for blended learning.

Source: https://articlegateway.com/index.php/JHETP/article/view/5609

Political Fake News Detection from Different News Source on Social Media using Machine Learning Techniques

Author: MD. MASUM BILLAH et al.

Brief Description:

People are more dependable on online news systems than ever in this modern time and day. The more people depend on online news, magazines, and journals, the more likely it will have more significant consequences of fake news or rumors. In the era of social networking, it has become a significant problem that negatively influences society. The fact is that the internet has become more accessible than ever, and its uses have increased exponentially. From 2005 to 2020, overall web users have increased from 1.1 billion to 3.96 billion. As most individuals' primary sources are microblogging networks, fake news spreads faster than ever. Thus it has become very complicated to detect fake news over the internet. For that purpose, we have used four traditional machine learning (ML) algorithms and long short-term memory (LSTM) methods. The four traditional methods are as follows logistic regression (LR), decision tree (DT) classification, k-nearest neighbors (KNN) classification, and naive bayes (NB) classification. To conduct this experiment, we first implemented four traditional machine learning methods. Then we trained our dataset with LSTM and Bi-LSTM (bidirectional long-short term memory) to get the best-optimized result. This paper experimented with four traditional methods and two deep learning models to find the best models for detecting fake news. In our research, we can see that, from four traditional methods, logistic regression performs best and generate 96% accuracy, and the Bi-LSTM model can generate 99% accuracy, which outbreaks all previous scores.

Source: https://ajse.aiub.edu/index.php/ajse/article/view/383

Grading System Prediction of Educational Performance Analysis Using Data Mining Approach

Author: MD. MASUM BILLAH et al.

Brief Description:

In the neoteric century, education holds the key to bringing tremendous upgradation to the world. In most Asian countries, it is very challenging to apply education data mining techniques due to the variety of institutional data categories. In this research, an efficient data collection technique has been designed to gather institutional data, analyse and pre-process the data and apply specific data mining methods to estimate students' progress. A real-time dataset has been designed from student transcript data, which helps to analyse the prediction of student quality. In our research, six traditional classification algorithms and a deep neural network (DNN) model is applied to perform prediction efficiency. Different classification models perform an accuracy of 90% ~ 94%. Our research predicts student education efficiency, analyses student patterns and introduces a generalized framework for an advanced level of study.

Source: https://mjsat.com.my/index.php/mjsat/article/view/96

Grading System Prediction of Educational Performance Analysis Using Data Mining Approach

Author: MAHFUJUR RAHMAN et al.

Brief Description:

In the neoteric century, education holds the key to bringing tremendous upgradation to the world. In most Asian countries, it is very challenging to apply education data mining techniques due to the variety of institutional data categories. In this research, an efficient data collection technique has been designed to gather institutional data, analyse and pre-process the data and apply specific data mining methods to estimate students' progress. A real-time dataset has been designed from student transcript data, which helps to analyse the prediction of student quality. In our research, six traditional classification algorithms and a deep neural network (DNN) model is applied to perform prediction efficiency. Different classification models perform an accuracy of 90% ~ 94%. Our research predicts student education efficiency, analyses student patterns and introduces a generalized framework for an advanced level of study.

Source: https://doi.org/10.56532/mjsat.v2i4.96

Content-based Image Retrieval Using AutoEmbedder

Author: DR. KAMRUDDIN MD. NUR et al.

Brief Description:

Content-Based Image Retrieval (CBIR) technique attempts to retrieve relevant query images from the extensive repositories of images. With the advancements of the internet and multimedia technology, images have increased at a significant rate. Retrieving similar pictures from a vast database has always been an arduous task where CBIR techniques are helpful. However, similar images retrieval efficiency improvement is a common problem with the available CBIR techniques due to inadequate feature sets. This paper proposes a novel CBIR technique using a Deep Convolutional Neural Network (DCNN)-based AutoEmbedder. With this novel approach, this study attempt to map the higher dimensional features into relevant clusterable embeddings with k-means clustering to cluster the relevant images. The architecture is evaluated using the Corel10K and CIFAR-10 datasets, and the average precision and recall value is used to evaluate the architecture's performance. The proposed model's significance is that it outperforms the existing CBIR techniques presented in experimental results.

Source: http://www.jait.us/index.php?m=content&c=index&a=show&catid=217&id=1222

Deep-BERT: Transfer Learning for Classifying Multilingual Offensive Texts on Social Media

Author: DR. KAMRUDDIN MD. NUR et al.

Brief Description:

Offensive messages on social media, have recently been frequently used to harass and criticize people. In recent studies, many promising algorithms have been developed to identify offensive texts. Most algorithms analyze text in a unidirectional manner, where a bidirectional method can maximize performance results and capture semantic and contextual information in sentences. In addition, there are many separate models for identifying offensive texts based on monolingual and multilingual, but there are a few models that can detect both monolingual and multilingual-based offensive texts. In this study, a detection system has been developed for both monolingual and multilingual offensive texts by combining deep convolutional neural network and bidirectional encoder representations from transformers (Deep-BERT) to identify offensive posts on social media that are used to harass others. This paper explores a variety of ways to deal with multilingualism, including collaborative multilingual and translation-based approaches. Then, the Deep-BERT is tested on the Bengali and English datasets, including the different bidirectional encoder representations from transformers (BERT) pre-trained word-embedding techniques, and found that the proposed Deep-BERT's efficacy outperformed all existing offensive text classification algorithms reaching an accuracy of 91.83%. The proposed model is a state-of-the-art model that can classify both monolingual-based and multilingual-based offensive texts.

Source: https://doi.org/10.32604/csse.2023.027841

Influence of dwelling time on the bonding of cemented carbides and high strength steel by SPS

Author: DR. MD. MAHADI HASAN et al.

Brief Description:

Abstract: The effects of dwelling time (5,10,15 and 20 min) on the microstructure, phase formation and mechanical properties of cemented carbide and high strength steel composites were investigated by SPS. The results showed that with the increase of the dwelling time, the sintering quality was gradually improved, and the bonding interface was smooth and continuous, and there was no obvious crack and delamination. The XRD results showed that WC, Fe and Fe, Co phases existed in the microstructure of the composites when the dwelling time was 5 min. When the dwelling time increased to 20 min, a new W2 C phase was clearly formed. With the increase in dwelling time, micro- hardness and tensile strength showed an increasing trend. When holding time was 20 min, the strain when the maxi- mum tensile strength is 152 MPa was only 0.22, and the maximum micro-hardness was 1 763 MPa.

Source: http://edit.chinamet.cn/Jweb_jsgncl/CN/abstract/abstract490.html

The relationship between the exchange rate, trade terms and employment in Turkey

Author: DR. MD. MAHADI HASAN et al.

Brief Description:

The objective of this paper is to analyze the impact of real exchange rate (RER) on employment and real wage using quarterly disaggregated data (ISIC Rev 4 classification) composed of 19 industries in Turkey from 2010 to 2017. This study employed the Fixed Effect Model, where industry-specific effects are used to control heterogeneity within the industry. The results reflect that currency appreciation negatively affects employment, though insignificant, whereas it has a remarkably positive impact on real wage. Although the terms of trade have no visible impact on employment and real wages, the study uniquely finds that the effects of the larger industries on employment are distinctly adverse. Nevertheless, the interaction between currency appreciation and the top 25 per cent larger industries indicates a moderate increase in employment. The findings reflect that the appreciation of the domestic currency causes employment to decrease at the industry level. The originality of this paper includes the effects of the terms of trade and interaction with currency appreciation in larger industries using the Fixed Effect Model approach.

Source: https://revistas.uptc.edu.co/index.php/cenes/article/view/14251

Deformation Behaviour and Mechanical Response of Closed-cell Cellular Materials under Projectile Impact Using Various Shapes Impactors

Author: DR. MD. MAHADI HASAN et al.

Brief Description:

Closed-cell cellular materials gained tremendous interest in their application in aerospace, shipbuilding and defence industries due to their exceptional impact energy absorption and lightweight characteristics. To assess the suitability of these materials in practical utilisation, a proper characterisation in dynamic loading is necessary. This paper investigates closed-cell aluminium foam's deformation behaviour due to low-velocity projectile impact in experimentation and finite element analysis. The collapse mechanism was numerically and empirically examined. The experiment and the finite element analysis were found to be in good agreement. The lowvelocity projectile impact tests were conducted using an instrumented drop-tower with several projectile tips with an impact energy of 105 J. Finite Element modelling using ABAQUS explicit was undertaken. The results reveal that FE modelling of true foam properties using solid geometry has a good correlation with experimental results. In this study, four impactors/indenters (flat-faced, hemispheric, conical, and truncated-conical) were used. A detailed structural collapse during the low-velocity dynamic impact has been explored with XCT data and finite element tools.

Source: https://journal.ump.edu.my/ijame/article/view/7704

Influence of sintering time on diffusion bonding of WC-10Co and AISI4340 by spark plasma sintering

Author: DR. MD. MAHADI HASAN et al.

Brief Description:

It is challenging to obtain successful bonding between cemented tungsten carbide and steel due to the large differences in their physical and mechanical properties. We used spark plasma sintering (SPS) technique and successfully bonded WC-10Co and AISI4340 high-strength steel at a low temperature. The effects of sintering time (5–20 min with a gap of 5 min) on their diffusion bonding were examined. The microstructure of the bonded composite materials was evaluated, and formed phases were identified. The mechanical properties were investigated, and the importance of processing parameters of SPS was discussed. The results show a crackfree continuous metallurgical bonding achieved at 1000°C, and the bonding strength increased with increasing holding times of 5, 10, 15, and 20 min. The sintered WC-10Co powders obtained nearly full density (99.07%) with an average maximum hardness of 1763 HV5. A special arrangement was used to determine the tensile bonding-strength with maximum average of 152 MPa at 20 min.

Source: https://www.tandfonline.com/doi/full/10.1080/02670836.2022.2132732

Comparative study on automatic fabric cutting machine and straight knife cutting machine

Author: DR. MD. MAHADI HASAN et al.

Brief Description:

Development of any manufacturing industry highly depends on the employment of the latest technology and well trained manpower. Likewise, automation plays a significant role in every sector of modern industry including Textile. Textile industry is one of the fastest growing manufacturing industries of the new era all around the world where technological development of automated machineries can be seen in almost every section to maintain the better quality product. Higher production with greater efficiency, lower labor cost and minimized wastage percentage with better quality products in each section of production can lead one to the front line of the competitive market. Cutting section of this sector is a very important section where precise cutting with higher accuracy must be maintained to meet the lead time and on time shipment. In Bangladesh, most of the factories use semi-automatic machine to accomplish the cutting process. But with the increasing demand of automated technology, the automatic fabric cutting machine is also being used gradually in some factories because of the higher efficiency and reduced production time. In this paper, the cutting process for same fabric has been studied using both manuadl and full-automatic machine to evaluate the various cutting parameters. After spreading, multiple lays of single jersey fabric were cut using straight knife cutting machine and automatic fabric cutting machine. After completing the cutting process, the variation of same criteria for two different machines was found out. This study helps to determine the effectiveness and usefulness of both machines from various perspective of production. The significance and viability of using automatic cutting machines have been reported to cope up with the evaluation of Industry 4.0

Source: https://zenodo.org/record/6615342

Self-Supervised Clustering for Leaf Disease Identification

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Plant diseases have been one of the most threatening scenarios to farmers. Although most plant diseases can be identified by observing leaves, it often requires human expertise. The recent improvements in computer vision have led to introduce disease classification systems through observing leaf images. Nevertheless, most disease classification systems are specific to diseases and plants, limiting method's usability. The methods are also costly as they require vast labeled data, which can only be done by experts. This paper introduces a self-supervised leaf disease clustering system that can be used for classifying plant diseases. As self-supervision does not require labeled data, the proposed method can be inexpensive and can be implemented for most

types of plants. The method implements a siamese deep convolutional neural network (DCNN) for generating clusterable embeddings from leaf images. The training strategy of the embedding network is conducted using AutoEmbedder approach with randomly augmented image pairs. The self-supervised embedding model training involves three different data pair linkage scenarios: can-link, cannot-link, and may-link pairs. The embeddings are further clustered using k-means algorithm in the final classification stage. The experiment is conducted to individually classify diseases of eight different fruit leaves. The results indicate that the proposed leaf disease identification method performs better than the existing self-supervised clustering systems. The paper indicates that end-to-end siamese networks can outperform well-designed sequentially trained self-supervised methods.

Source: https://doi.org/10.3390/agriculture12060814

AutoRet: A Self-Supervised Spatial Recurrent Network for Content-Based Image Retrieval

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Image retrieval techniques are becoming famous due to the vast availability of multimedia data. The present image retrieval system performs excellently on labeled data. However, often, data labeling becomes costly and sometimes impossible. Therefore, self-supervised and unsupervised learning strategies are currently becoming illustrious. Most of the self/unsupervised strategies are sensitive to the number of classes and can not mix labeled data on availability. In this paper, we introduce AutoRet, a deep convolutional neural network (DCNN) based self-supervised image retrieval system. The system is trained on pairwise constraints. Therefore, it can work in self-supervision and can also be trained on a partially labeled dataset. The overall strategy includes a DCNN that extracts embeddings from multiple patches of images. Further, the embeddings are fused for quality information used for the image retrieval process. The method is benchmarked with three different datasets. From the overall benchmark, it is evident that the proposed method works better in a self-supervised manner. In addition, the evaluation exhibits the proposed method's performance to be highly convincing while a small portion of labeled data are mixed on availability.

Source: https://www.mdpi.com/1424-8220/22/6/2188#:~:text=In%20this%20paper%2C%20we%20introduce,on%20a%20partially%20labeled%20dataset.

Word Embedding Methods for Word Representation in Deep Learning for Natural Language Processing

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Natural Language Processing (NLP) deals with analysing, understanding and generating languages likes human. One of the challenges of NLP is training computers to understand the way of learning and using a language as human. Every training session consists of several types of sentences with different context and linguistic structures. Meaning of a sentence depends on actual meaning of main words with their correct positions. Same word can be used as a noun or adjective or others based on their position. In NLP, Word Embedding is a powerful method which is trained on large collection of texts and encoded general semantic and syntactic information of words. Choosing a right word embedding generates more efficient result than others. Most of the papers used pretrained word embedding vector in deep learning for NLP processing. But, the major issue of pretrained word embedding vector is that it can't use for all types of NLP processing. In this paper, a local word embedding vector formation process have been proposed and shown a comparison between pretrained and local word embedding vectors for Bengali language. The Keras framework is used in Python for local word embedding implementation and analysis section of this paper shows proposed model produced 87.84% accuracy result which is better than fastText pretrained word embedding vectors accuracy 86.75%. Using this proposed method NLP researchers of Bengali language can easily build the specific word embedding vectors for word representation in Natural Language Processing.

Source: https://www.researchgate.net/publication/359752460_Word_Embedding_Methods_for_Word_Representation_in_Deep_Learning_for_Natural_Language_Processing

Content-Based Image Retrieval Using AutoEmbedder

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Content-Based Image Retrieval (CBIR) technique attempts to retrieve relevant query images from the extensive repositories of images. With the advancements of the internet and multimedia technology, images have increased at a significant rate. Retrieving similar pictures from a vast database has always been an arduous task where CBIR techniques are helpful. However, similar images retrieval efficiency improvement is a common problem with the available CBIR techniques due to inadequate feature sets. This paper proposes a novel CBIR technique using a Deep Convolutional Neural Network (DCNN)-based AutoEmbedder. With this novel approach, this study attempt to map the higher dimensional features into relevant clusterable embeddings with k-means clustering to cluster the relevant images. The architecture is evaluated using the Corel10K and CIFAR-10 datasets, and the average precision and recall value is used to evaluate the architecture's performance. The proposed model's significance is that it outperforms the existing CBIR techniques presented in experimental results.

Source: https://www.researchgate.net/publication/360590811_Content-Based_Image_Retrieval_Using_AutoEmbedder

A Comprehensive Survey on the Progress, Process, and Challenges of Lung Cancer Detection and Classification

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Lung cancer is the primary reason of cancer deaths worldwide, and the percentage of death rate is increasing step by step. There are chances of recovering from lung cancer by detecting it early. In any case, because the number of radiologists is limited and they have been working overtime, the increase in image data makes it hard for them to evaluate the images accurately. As a result, many researchers have come up with automated ways to predict the growth of cancer cells using medical imaging methods in a quick and accurate way. Previously, a lot of work was done on computer-aided detection (CADe) and computer-aided diagnosis (CADx) in computed tomography (CT) scan, magnetic resonance imaging (MRI), and X-ray with the goal of effective detection and segmentation of pulmonary nodule, as well as classifying nodules as malignant or benign. But still, no complete comprehensive review that includes all aspects of lung cancer has been done. In this paper, every aspect of lung cancer is discussed in detail, including datasets, image preprocessing, segmentation methods, optimal feature extraction and selection methods, evaluation measurement matrices, and classifiers. Finally, the study looks into several lung cancer-related issues with possible solutions.

Source: https://pubmed.ncbi.nlm.nih.gov/36569180/

How can we manage Offensive Text in Social Media - A Text Classification Approach using LSTM-BOOST

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Recently, offensive content has become increasingly popular for harassing and criticizing people on numerous social media platforms. This paper proposes an offensive text classification algorithm named LSTM-BOOST employing Long Short-Term Memory(LSTM) model with ensemble learning to recognize offensive Bengali texts in various social media platforms. The proposed LSTM-BOOST model uses the modified AdaBoost algorithm employing principal component analysis(PCA) along with LSTM networks. In the LSTM-Boost model, the dataset is divided into three categories, and PCA and LSTM networks are applied to each part of the dataset to obtain the most significant variance and reduce the weighted error of the weak hypothesis of the model. Furthermore, different classifiers are used for baseline experiment and the model is evaluated on various word embedding vector methods. Our investigation found that the LSTM-BOOST algorithms outperform most of the baseline architecture, leading F1-score of 92.61% on the Bengali offensive text from Social Platforms(BHSSP) dataset.

Source: https://www.sciencedirect.com/science/article/pii/S2667096822000386

Text to Speech Synthesis: A Systematic Review, Deep Learning Based Architecture and Future Research Direction

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Text to Speech (TTS) synthesis is a process of translating natural language text into speech. Pieces of recorded speech generate synthesized speech and a database is maintained for storing this synthesized speech. A speech synthesizer's output is determined through its resemblance to the person utter and its capacity to be implied. In recent years between the two main subsections: machine learning and deep learning of Artificial Intelligence (AI), deep learning has achieved huge success in the domain of text to speech synthesis. In this literature, a taxonomy is introduced which represents some of the deep learning-based architectures and models popularly used in speech synthesis. Different datasets that are used in TTS have also been discussed. Further, for evaluating the quality of the synthesized speech some of the widely used evaluation matrices are described. Finally, the paper concludes with the challenges and future directions of the text-to-speech synthesis system.

Source: http://www.jait.us/index.php?m=content&c=index&a=show&catid=221&id=1247

Assessment of electronics course outcomes

Author: DR. MUHIBUL HAQUE BHUYAN et al.

Brief Description:

Electronics as a course is one of the essential courses in the BSc EEE program and its outcomes are indicators of success. The main aim of this research work is to assess and evaluate the course outcomes of the electronics course of the Bachelor of Science in Electrical and Electronic Engineering program, incorporating higher-order thinking skills and complex engineering problem-solving skills among the students. To compute and appraise the course outcomes of this course and hence its impact on the program outcomes, we used direct assessment data from various formative and summative assessment tests during a particular semester. Finally, statistical analysis is performed to check whether a particular student cohort of electronics courses could achieve this or not. All of the participating students have attained the benchmark set before the start of the course. Finally, course survey results and a few recommendations are provided as a measure of the continuous quality improvement method.

Source: https://un-pub.eu/ojs/index.php/IJIRE/article/view/7762

Spectrophotometric Characterization of Thin Semi-Transparent Aluminum Films Prepared by Electron Beam Evaporation and Magnetron Sputtering

Author: ABRAR FAHIM LIAF et al.

Brief Description:

Aluminum thin films with thicknesses between approximately 10 and 60 nm have been deposited by evaporation and sputtering techniques. Layer characterization focused on reflectance, optical constants, and surface quality. Reflectance fits have been performed using a merger of three standard dispersion models, namely the Drude model, the Lorentzian oscillator model, and the beta-distributed oscillator model. A thickness dependence of the optical constants could be established in the investigated thickness range.

Source: https://doi.org/10.3390/coatings12091278

IoT Based Parallel Server Architecture in Low Power Environment

Author: SYMA KAMAL CHAITY et al.

Brief Description:

Despite, the fact, Internet of Things (IoT) has indeed proven an effective technology in transportation, agriculture, healthcare, industrial automation, and emergency response to natural and man-made disasters, IoT inherits limitations from power of the devices in the IoT infrastructure. Such limitations, demands the need to have optimization research. The aim of this study is to develop a parallel server architecture in an IoT-based service in a low-power environment. The need for parallel computing is necessary for IoT-enabled devices and system architecture. The server-oriented IoT-based cloud architecture study needs immense capability and efficiency to produce satisfactory throughput. Although the efficiency is relatively acquired by the services, the demand for security is also a matter of concern in the modern platform of IoT-supported services. The concurrent process of the encryption system, data processing and computation in the service transactions, and effective, reliable management of the servers working simultaneously in an energy-efficient network service architecture is the aimed product of this study. The focus is to provide the data and task level parallelism to ensure lesser transaction delay in the system.

Source:
https://www.academia.edu/78153279/Optimizing_IoT_Based_Parallel_Server_In_A_Low_Power_Operational_Environment

An Extensive Analysis on Computing Students' Academic Performance in Online Environment using Decision Tree

Author: NYME AHMED et al.

Brief Description:

Maintaining the continuation of study is a vital element as it holds students' concentration to achieve what the external world left them to explore. COVID-19 acts as some kind of a barrier in front of this continuation of study. Online education lifts this barrier and gives the students a free open road to roam around. But to be sure that students are maintaining the pace and continuing their sturdy approach to achieve their goals, there has to be some monitoring. Educational Data Mining (EDM) is a new discipline that arose from applying data mining techniques to educational data. EDM can be used to understand students and their learning environments better, improve teaching support, and make decisions in educational systems. The main objective of this paper is to analyze the factors that have a profound impact on students' academic performance while conducting EDM applications, more specifically using decision trees. Four distinct datasets are derived from X University students' academic marks in four different undergraduate program courses during an online semester. The decision trees' knowledge reveals critical factors in analyzing students' performance. The findings of this paper will help educators develop new strategies to cope with various challenges and ultimately the betterment of education.

Source: https://turcomat.org/index.php/turkbilmat/article/view/11987

A Comparative Analysis among Online and On-Campus Students Using Decision Tree

Author: NYME AHMED et al.

Brief Description:

COVID-19 hit the world unexpectedly, forcing humans to isolate themselves. It has placed the lives of people in jeopardy with its fury. The global pandemic had a detrimental effect on the worlds' education spheres. It has imposed a global lockdown, with a negative impact on the students' lives. Continuing regular classes on-campus was out of the question. At that moment, online learning came to us as a savior. The quality of online education was yet to be tested on a large scale compared to regular schooling. Educational data mining is a modern arena that holds promise for those who work in education. Data mining strategies are developed to uncover latent information and identify valuable trends that can increase students' performance and, in turn, contribute to the improvement of the educational system in the long run. This research mainly aims to identify a comparative analysis of the students' academic performance between online and on-campus environments and distinguish the significant characteristics that influence their academic endeavors. The impact of the factors on the students' performance is visualized with the help of the Decision Tree Classification Model. This paper will assist in giving a good overview that influences the distinguished factors on students' academic performance. Moreover, educators will also be benefited from this paper while making any important decision regarding the educational activity.

Source: https://www.mecs-press.org/ijmsc/ijmsc-v8-n2/IJMSC-V8-N2-2.pdf

Investigation of Computing Students' Performances in a Fully Online Environment During COVID-19 Pandemic

Author: NYME AHMED et al.

Brief Description:

COVID-19 hit the world unexpectedly, forcing humans to isolate themselves. It has placed the lives of people in jeopardy with its fury. The COVID-19 has a detrimental effect on the world's education spheres. It has imposed a global lockdown, with a negative impact on the students' lives. Continuing regular classes' on-campus were out of the question. At that moment, online learning came to us as a savior. The quality of online education was yet to be tested on a large scale compared to regular education. This paper reveals the factors that influence four programming courses from Computing students at X University and puts them on the table with an analysis backing it up so that, in future, authorities can design the proper structure for high quality online education.

Source: https://mjsat.com.my/index.php/mjsat/article/view/36

Table Token Generator and Indicator in Restaurant using Micro-controller

Author: NYME AHMED et al.

Brief Description:

Over the years, technology has vastly modernized the restaurant industry. Much of the innovation has been with Point of Sale (POS) operations. But still there is some scope to improve the customer service. In this paper, we proposed a solution that makes interacting with waiters much easier, faster, and more convenient. There are few systems which are being developed in Arduino as a table token system. As a microcontroller, Arduino is an advantageous hardware that can be programmed to be used for a variety of applications. This study is based on giving a better experience to customers by improving the response time. Instead of yelling or using some bells, customers can generate a token by pushing a button. With this the waiter can be informed which table needs attention and quickly respond to the needs of the customer. Moreover, this will allow the customers to experience a quiet and fine dining atmosphere which in future will insure better customer loyalty and profit for the restaurant. In a nutshell, this paper deals with designing a system that will make interacting with waiters as well as serving customer smoother and more affordable.

Source: https://ej-eng.org/index.php/ejeng/article/view/2761

Analyzing Student Evaluations of Teaching in a Completely Online Environment

Author: NYME AHMED et al.

Brief Description:

Almost all educational institutions have shifted their academic activities to digital platforms due to the recent COVID-19 epidemic. Because of this, it is very important to assess how well teachers are performing with this new way of online teaching. Educational Data Mining (EDM) is a new field that emerged from using data mining techniques to analyze educational data and making decision based on findings. EDM can be utilized to gain better understanding about students and their learning processes, assist teachers do their academic tasks, and make judgments about how to manage educational system. The primary objective of this study is to uncover the key factors that influence the quality of teaching in a virtual classroom environment. Data is gathered from the students' evaluation of teaching from computer science students of three online semesters at X University. In total, 27622 students participated in these survey. Weka, sentimental analysis, and word cloud generator are applied in the process of carrying out the research. The decision tree classifies the factors affecting the performance of the teachers, and we find that student-faculty relation is the most prominent factor for improving the teaching quality. The sentimental analysis reveals that around 78% of opinions are positive and "good" is the most frequently used word in the opinions. If the education system is moved online in the future, this research will help figure out what needs to be changed to improve teachers' overall performance and the quality of their teaching.

Source: https://www.mecs-press.org/ijmecs/ijmecs-v14-n6/IJMECS-V14-N6-2.pdf

Keep me in Distance: An Internet of Things based Social Distance Monitoring System in Covid19

Author: NYME AHMED et al.

Brief Description:

Despite, the fact, the observable benefits of the Internet of things (IoT) have been expanded to healthcare for automation, very few studies have been shed light on the wearable IoT to keep distance from human to human. In the Covid-19 situation, in general, it is advisable to keep a social distance to avoid the possibility of infection. Research from Wearable IoT sensor-based healthcare, IoT provides a pathway how citizens can keep them at a distance as IoT offers a myriad of sensors. Realizing the practical problem, in this research a social distance model is developed using wearable IoT. This proposed technique is easily implementable on wearable devices. Our proposed system is cost-effective, which is expected very suitable for the low-income regions of the world to monitor appropriate social distance.

Source: https://www.researchgate.net/profile/Nyme-Ahmed/publication/360315831_Keep_Me_In_Distance_An_Internet_Of_Things_Based_Social_Distance_Monitoring_System_In_Covid19/links/627377062f9ccf58eb2e627d/Keep-Me-In-Distance-An-Internet-Of-Things-Based-Social-Distance-Monitoring-System-In-Covid19.pdf

An Extensive Analysis on Computing Students' Academic Performance in Online Environment using Decision Tree

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Source: https://j.mecs-press.net/ijmsc/ijmsc-v8-n2/IJMSC-V8-N2-2.pdf

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Source: https://mjsat.com.my/index.php/mjsat/article/view/36

The Significance of Augmented Reality Based Magazine Book for Historical Places of Bangladesh: Case Study

Author: S M ABDULLAH SHAFI et al.

Brief Description:

Augmented Reality (AR) is the integration of real-world objects with the use of information in the form of text, graphics, audio, and other virtual enhancements. In mobile augmented reality, a client can see virtual particles superimposed on live video of this display reality utilizing visual following or plan rendering. Any country's economy is heavily reliant on its tourism sector. In our country, there are several tourism sectors, but they are not well-organized and attractive. Augmented reality is still a relatively new technology in Bangladesh. We've seen this technology applied successfully in a number of articles. To implement the tourism sector, we have proposed the development of augmented reality-based magazine books in our research. We used Vuforia, SDK for this and developed the graphics part ourselves. Then we have selected our magazine book places and designed the app accordingly using Unity3D. Finally, we have evaluated how effective this system could be, where we send the application and a google form to more than 50 people to use the app fill up the form and most of them were satisfied with the effectiveness of our magazine book in the tourism sector.

Source: https://link.springer.com/chapter/10.1007/978-3-031-06374-9_30

Future Possible Age of the Universe with Density Variation

Author: OISHI KHANAM et al.

Brief Description:

A fundamental principle and assumption of cosmology says that the universe is homogeneous and isotropic when viewed on a large scale. According to the cosmological principle, space might be flat, or have a negative or positive curvature in cosmological model. Positively curved universe denotes the closed universe and negatively curved universe denotes the open universe. Our universe type is flat because it expands in every direction neither curving positively nor negatively. We have observed that the progression of the universe is based on radiation and matter domination. In this paper we also have observed that future possible upper limit age of the universe is 9.42 billion years which varies with density.

Source: https://www.mecs-press.org/ijmsc/ijmsc-v8-n4/IJMSC-V8-N4-7.pdf

An effective method in investigating structures of polytropic protoplanets formed via gravitational instability

Author: MD. HAFIJUR RAHMAN et al.

Brief Description:

In this article, we have reinvestigated the initial distribution of thermodynamic variables inside the protoplanets formed via gravitational instability having mass range 0.3−10MJ (1MJ=1.8986×1030 gm) by an embedded RKACeM(4,4) method assuming that the polytropic gas law holds in the protoplanets. The findings attained by our numerical experiments are recognized to be consistent with the results acquired through other notable investigations in this regard. Furthermore, the model is easily computable. The used method is found to be efficient in investing the structures of polytropic protoplanets in their initial stages in terms of accuracy, stability, computational cost, and solving endpoint constraints.

Source: https://doi.org/10.1016/j.heliyon.2022.e10394

A Study on the Numerical Accuracy and Efficiency of the Bisection Method in Finding Square Roots of Positive Real Numbers

Author: MD. HAFIJUR RAHMAN et al.

Brief Description:

Calculating square roots of positive real numbers plays a vital role in scientific and engineering computing. From the daily life used calculators to the computer software used as a calculator often use the square root function. However, finding the real roots of algebraic and transcendental equations is one of the most exciting topics in numerical computation. There are several methods, such as the Bisection, Secant, Iteration, and Newton-Raphson's methods, to do that. The speciality of the Bisection method is its robustness and needs no stability criterion. Although it convergences slowly, it always convergences. In this study, we assessed the numerical accuracy through the root mean square error (RMSE) value for this

method by applying it to finding square roots of some positive real numbers. Also, we calculated the computational time and number of iterations to convergence to an exact root with the error tolerance of 0.000001 for assessing the method's efficiency. The method's RMSE value obtained in our study is of order 10-7, indicating its reasonably acceptable accuracy level. We got this accuracy within 23 iterations in each case, and the computational time is a tiny fraction of a millisecond; these indicate the excellent efficiency level of the method. Our inquiry has found the method reasonably acceptable, efficient, and robust.

Source: https://www.isroset.org/journal/IJSRCSE/full_paper_view.php?paper_id=2815

A Competitive Study on the Euler and Different Order Runge-Kutta Methods with Accuracy and Stability

Author: MD. HAFIJUR RAHMAN et al.

Brief Description:

Numerical methods in solving ordinary differential equations (ODEs) play an essential role in dealing with different mathematical, physical, and engineering problems. The accuracy and stability of the numerical methods are the critical factors for examining their performances in solving related problems. In this study, a comparison is made between some well-known methods, namely the Euler and different order Runge-Kutta (RK) methods, which are RK(2,2), RK(3,3), and RK(4,4) schemes, in terms of accuracy and stability. We have tested the numerical accuracy of the mentioned methods through the root mean square error (RMSE) value. Furthermore, the stability polynomials of the methods are determined, and their contour plot is made to analyze the methods' stability. We have got the ordered relation "Euler < RK(2,2) < RK(3,3) < RK(4,4)" both for the accuracy and stability tests. According to the ordered relation, it is clear that the RK(4,4) method is the most accurate and stable scheme among the test methods.

Source: https://www.isroset.org/journal/IJSRMSS/full_paper_view.php?paper_id=2716

Reliable Analysis for the Drinfel'd-Sokolov-Wilison Equation in Mathematical Physics

Author: MD. FAYZ-AL- ASAD et al.

Brief Description:

The present paper studies the Drinfeld-Sokolov-Wilson (DSW) equation. We perform the S(ξ)-expansion method to take some exact solutions and create different solitary wave aspects for each equation. The received perspectives provide the firm mathematical foundation as well as describe the wave generation in soliton physics. As a result, we get some new soliton solutions. Finally, the exact solution and its geometrical properties are constructed, considering Mean curvature and Gaussian curvature as for the DSW equation. The S(ξ)-expansion method analyzes the solution follow through instantaneously with this equation.

Source:
https://www.researchgate.net/publication/355916503_Reliable_analysis_for_the_Drinfeld-Sokolov-Wilson_equation_in_mathematical_physics

Numerical Study of the Effect of a Heated Cylinder on Natural Convection in a Square Cavity in the Presence of a Magnetic Field

Author: MD. FAYZ-AL- ASAD et al.

Brief Description:

The present research was developed to find out the effect of heated cylinder configurations in accordance with the magnetic field on the natural convective flow within a square cavity. In the cavity, four types of configurations—left bottom heated cylinder (LBC), right bottom heated cylinder (RBC), left top heated cylinder (LTC) and right top heated cylinder (RTC)—were considered in the investigation. The current mathematical problem was formulated using the non-linear governing equations and then solved by engaging the process of Galerkin weighted residuals based on the finite element scheme (FES). The investigation of the present problem was conducted using numerous parameters: the Rayleigh number (Ra = 103–105), the Hartmann number (Ha = 0–200) at Pr = 0.71 on the flow field, thermal pattern and the variation of heat inside the enclosure. The clarifications of the numerical result were exhibited in the form of streamlines, isotherms, velocity profiles and temperature profiles, local and mean Nusselt number, along with heated cylinder configurations. From the obtained outcomes, it was observed that the rate of heat transport, as well as the local Nusselt number, decreased for the LBC and LTC configurations, but increased for the RBC and RTC configurations with the increase of the Hartmann number within the square cavity. In addition, the mean Nusselt number for the LBC, RBC, LTC and RTC configurations increased when the Hartmann number was absent, but decreased when the Hartmann number increased in the cavity. The computational results were verified in relation to a published work and were found to be in good agreement.

Source: https://www.mdpi.com/2297-8747/27/4/58

Impact of Non-Uniform Periodic Magnetic Field on Unsteady Natural Convection Flow of Nanofluids in Square Enclosure

Author: MD. FAYZ-AL- ASAD et al.

Brief Description:

In this article, unsteady free convective heat transport of copper-water nanofluid within a square-shaped enclosure with the dominance of non-uniform horizontal periodic magnetic effect is investigated numerically. Various nanofluids are also used to investigate temperature performance. The Brownian movement of nano-sized particles is included in the present model. A sinusoidal function of the y coordinate is considered for the magnetic effect, which works as a non-uniform magnetic field. The left sidewall is warmed at a higher heat, whereas the right sidewall is cooled at a lower heat. The upper and bottom walls are insulated. For solving the governing non-linear partial differential equation, Galerkin weighted residual finite element method is devoted. Comparisons are made with previously published articles, and we found

there to be excellent compliance. The influence of various physical parameters, namely, the volume fraction of nanoparticles, period of the non-uniform magnetic field, Rayleigh number, the shape and diameter of nanoparticles, and Hartmann number on the temperature transport and fluid flow are researched. The local and average Nusselt number is also calculated to investigate the impact of different parameters on the flow field. The results show the best performance of heat transport for the Fe3O4-water nanofluid than for other types of nanofluids. The heat transport rate increases 20.14% for Fe3O4-water nanofluid and 8.94% for TiO2-water nanofluid with 1% nanoparticles volume. The heat transportation rate enhances with additional nanoparticles into the base fluid whereas it decreases with the increase of Hartmann number and diameter of particles. A comparison study of uniform and non-uniform magnetic effects is performed, and a higher heat transfer rate is observed for a non-uniform magnetic effect compared to a uniform magnetic effect. Moreover, periods of magnetic effect and a nanoparticle's Brownian movement significantly impacts the temperature transport and fluid flow. The solution reaches unsteady state to steady state within a very short time.

Source: https://www.mdpi.com/2504-3110/6/2/101

Hydrothermal and Entropy Investigation of Nanofluid Natural Convection in a Lid-Driven Cavity Concentric with an Elliptical Cavity with a Wavy Boundary Heated from Below

Author: MD. FAYZ-AL- ASAD et al.

Brief Description:

This work investigates mixed convection in a lid-driven cavity. This cavity is filled with nanofluid and subjected to a magnetic field. The concentric ovoid cavity orientation (γ), 0–90°, and undulation number (N), 1–4, are considered. The Richardson number (Ri) varies between 1 and 100. The nanofluid volume fraction (φ) ranges between 0 and 0.08%. The effect of the parameters on flow, thermal transport, and entropy generation is illustrated by the stream function, isotherms, and isentropic contours. Heat transfer is augmented and the Nusselt number rises with higher Ri, γ, N, and φ. The simulations show that the heat transfer is responsible for entropy generation, while frictional and magnetic effects are marginal.

Source: https://pubmed.ncbi.nlm.nih.gov/35564102/

Analytic simulation of MHD boundary layer flow of a chemically reacting upper-convected Maxwell fluid past a vertical surface subjected to double stratifications with variable properties

Author: MD. FAYZ-AL- ASAD et al.

Brief Description:

The study of thermal stratification has a broad scope of applications in solar engineering owing to its ability to predict the cases of achieving superior energy efficiency. This present communication focuses on the flow of a free convective MHD upper-convected Maxwell fluid in concert temperature-dependent viscosity, thermal conductivity across a stratified surface with nth order of chemical reaction. The governing partial differential equations are transformed into nonlinear ordinary differential equations by introducing relevant similarity variables and approximate analytical solution is determined operating the homotopy analysis method. Influence of different relevant parameters such as Deborah number, stratification, chemical reaction and variable thermophysical parameters on temperature, velocity and concentration distributions is shown to highlight the specifics of heat and mass transfer flow characteristics. It is followed that for the cases of n=1 and n=2, the concentration of species reduces for increasing chemical reaction parameter. It is also noticed that, the values of $-f''(0)$ decrease while $-\theta'(0)$ and $-\phi(0)$ increase with increasing Deborah number β.

Source: https://link.springer.com/article/10.1140/epjp/s13360-022-03014-w

An Extensive Analysis on Computing Students' Academic Performance in Online Environment using Decision Tree

Author: PROF. DR. DIP NANDI et al.

Brief Description:

Maintaining the continuation of study is a vital element as it holds students' concentration to achieve what the external world left them to explore. COVID-19 acts as some kind of a barrier in front of this continuation of study. Online education lifts this barrier and gives the students a free open road to roam around. But to be sure that students are maintaining the pace and continuing their sturdy approach to achieve their goals, there has to be some monitoring. Educational Data Mining (EDM) is a new discipline that arose from applying data mining techniques to educational data. EDM can be used to understand students and their learning environments better, improve teaching support, and make decisions in educational systems. The main objective of this paper is to analyze the factors that have a profound impact on students' academic performance while conducting EDM applications, more specifically using decision trees. Four distinct datasets are derived from X University students' academic marks in four different undergraduate program courses during an online semester. The decision trees' knowledge reveals critical factors in analyzing students' performance. The findings of this paper will help educators develop new strategies to cope with various challenges.

Source: https://www.turcomat.org/index.php/turkbilmat/article/view/11987

BMNet-5: A Novel Approach of Neural Network to Classify the Genre of Bengali Music Based on Audio Features

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Music genre classification (MGC) is the process of putting genre labels on music by analyzing the sounds or words. With the rapid growth of music data repositories, MGC can be used in a lot of ways to organize and manage music recommendation systems, advertising, and streaming services. But there have been a lot of works on classifying English music using different statistical and machine learning methods, but there hasn't been much progress in classifying Bengali music. Also, Deep Learning (DL) methods have been used in a few important ways to classify different types of music. The content and uniqueness of Bengali music make it much more interesting. Also, there is still a lot to learn about how to use the DL approach in Bengali music. So, Bengali music genre classification is a pretty new area of research in the field of Deep Learning. In this paper, we developed a unique technique called BMNet-5 to perform a multiclass classification of Bangla music genres such as "Bangla Adhunik," "Bangla Hip-Hop," "Bangla Band Music," "Nazrulgeeti," "Palligeeti," and "Rabindra Sangeet." We show the effectiveness of the suggested technique by extracting features from a dataset of 1742 Bangla music pieces and evaluating the automated classification judgments. The proposed BMNet-5 is based on a neural network designed to predict music genre from audio inputs. Our suggested model outperformed the corresponding previous research with an accuracy of 90.32%. The BMNet-5 model is then tested for performance consistency using K-fold cross validation with varying k values. Finally, we use the suggested model to train the interpretable SHAP model for all the genre of the Bangla music dataset, and the development of an explainable outcome may have a significant advantage.

Source: https://ieeexplore.ieee.org/document/9916245

Performance Evaluation of Data Mining Classification Algorithms for Predicting Breast Cancer

Author: NYME AHMED et al.

Brief Description:

The most prevalent cause of death among women is breast cancer. At an early stage, predicting breast cancer enhances the probability of a successful cure. It requires a breast cancer prediction technology capable of classifying a breast tumor as dangerous malignant or harmless benign. This is especially true in the medical field, where classification methods are often used for finding and investigation to make decisions for the disease. This study examines the performance of six classification algorithms of data mining which are Logistic Regression classifier, Naïve Bayes classifier, Decision Tree, Random Forest Classifier, Support Vector Machine, and K-Nearest Neighbors on the Wisconsin Breast Cancer (original) dataset. The principal purpose is to measure the performance of each algorithm in terms of their accuracy, precision, sensitivity, and specificity. The findings indicate that the accuracy of Support Vector Machine has the greatest rate (97.20 %) and the lowest error rate when determining if a woman has a malignant or benign tumor.

Source: https://mjsat.com.my/index.php/mjsat/article/view/55

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

A Machine Learning Approach for Bengali Handwritten Vowel Character Recognition

Author: ABHIJIT BHOWMIK et al.

Brief Description:

Recognition of handwritten characters is complex because of the different shapes and numbers of characters. Many handwritten character recognition strategies have been proposed for both English and other major dialects. Bengali is generally considered the fifth most spoken local language in the world. It is the official and most widely spoken language of Bangladesh and the second most widely spoken among the 22 posted dialects of India. To improve the recognition of handwritten Bengali characters, we developed a different approach in this study using face mapping. It is quite effective in distinguishing different characters. The real highlight is that the recognition results are more efficient than expected with a simple machine learning technique. The proposed method uses the Python library Scikit-Learn, including NumPy, Pandas, Matplotlib, and support vector machine (SVM) classifier. The proposed model uses a dataset derived from the BanglaLekha isolated dataset for the training and testing part. The new approach shows positive results and looks promising. It showed accuracy up to 94% for a particular character and 91% on average for all characters.

Source:
https://ijai.iaescore.com/index.php/IJAI/article/view/21020?fbclid=IwAR3sxWTdh5vhfzQOqkGnXI_I4mfvE3QtJe6flRJZf6t8sb3Z1AZCXTmfrEQ

Phase Transfer of AMIET-functionalized Gold Nanoparticles from Aqueous to Organic Solvents

Author: DR. ABDULLAH AL NAHID et al.

Brief Description:

This paper presents a feasible and reliable phase transfer protocol for polyoxyethylene alkyl amine surfactant (AMIET)-coated gold nanoparticles (AuNPs) in aqueous media to chloroform using a pH triggered method, through the liquid-liquid interface. In the initial stage, the colloidal aqueous dispersion is destabilised by pH adjustment towards the isoelectric pH of the nanoparticle, which promotes the separation of the particles from water. We further explored a mechanistic view of this phase transfer phenomenon, considering the orientation of hydrophilic and hydrophobic moieties depending on the nature of the surrounding solvent. It was proposed that the AMIET molecules bound to the AuNPs undergo conformational changes through phase transfer. Ultraviolet visible absorption spectra before and after the phase transfer reveal that the original morphology and dispersion states of the particles were preserved.

Source: https://www.jstage.jst.go.jp/article/jos/71/5/71_ess21345/_article/-char/ja/

Computer-Mediated Assessment in English Language Teaching and Learning at Tertiary Level: A Reflection into its Effectiveness

Author: TOUHIDA EASMIN et al.

Brief Description:

The world of academia has been going through a complete overhaul since the emergence of Covid-19. The sudden relocation to online learning during the Covid-19 pandemic has offered several pedagogical uncertainties, ambiguities, and challenges in Bangladesh due to the poor quality of multifaceted factors like infrastructure, socio-economic condition, and technological competence. Moreover, teachers and students find it challenging to adapt to the new reforms resulting from new pedagogical necessities, and universities have been forced to opt for online assessment without any orientation and preparation. This has posed a major challenge for stakeholders alike around the world during this pandemic. The article explores the different forms and patterns of online assessment to evaluate its effectiveness. A qualitative approach has been applied to collect data using FGDs and interviews of teachers and students of English at different private universities in Dhaka, Bangladesh. The study reflects the effectiveness and inevitability of online assessment.

Impact of Covid-19 on Undergraduate Students in a Developing Country: A Private University Case.

Author: AKM KAMRUL HAQUE et al.

Brief Description:

This paper investigates the likely impact of Covid-19 on private higher educational institutions (PHEIs) in Bangladesh. To conduct the study, a qualitative approach has been employed based on interviewing 8 educationists and 2 students on three key areas: general impact assessment; teaching and learning; and future impact of COVID-19 on PHEIs. The findings revealed that COVID-19 may create a barrier to the successive growth of tertiary education in terms of dropping enrolment in the coming academic years. The study also indicates that PHEIs may face trouble in the salary payment of their academic and non-academic staff. Even, many staff may lose their jobs. Thus, Covid-19 may psychologically affect the community of PHEIs. Based on the findings, this research recommends that the government should offer a financial package to protect PHEIs in order to effectively tackle the challenges of the COVID-19 outbreak. The findings of this study, conducted at the very early stages of coronavirus spread in Bangladesh, will be important for policymakers in further improving the capacity of PHEIs in Bangladesh in facing a crisis. The study also suggests that future research considering more samples and involving all stakeholders need to continue to effectively measure the real impact and severity of COVID-19 on PHEIs.

Modern Talent Management in Knowledge Organizations: Post-Pandemic Paradigm

Author: PROF. DR. FARHEEN HASSAN et al.

Brief Description:

In today's modern business world, the dominant factor of any organization's success is human capital. Appropriately acquiring and managing talented staff is crucial to the growth and development of companies and provides them with a considerable competitive advantage in the industry. Further study on the importance of talent management is required to ensure businesses are able to thrive in the present environment. Post-Pandemic Talent Management Models in Knowledge Organizations discusses strategic human resource management and the talent management of post-modern knowledge-based organizations during the COVID-19 pandemic and post-pandemic paradigm. Covering critical topics such as organizational performance and creative work behavior, this major reference work is ideal for managers, business owners, entrepreneurs, academicians, researchers, scholars, instructors, and students.

Source: https://www.igi-global.com/book/post-pandemic-talent-management-models/286753#table-of-contents

Gender Diversity and Sexuality in English Language Education: New Transnational Voices; Chapter: Gender Diversity and Online English Language Teaching During the Covid-19 Pandemic in Bangladesh

Author: MD. HAMIDUL HAQUE et al.

Brief Description:

The findings of the study make an indelible contribution to critical perspectives on gender issues in English language education during emergencies. This research is particularly important in the context of a developing country like Bangladesh which is frequently hit by natural calamities that seriously affect education in general. We looked into the gender inequality issues in English language education considering COVID-19 as an epitome of teaching in difficult circumstances (like war, disasters, natural calamities) that potentially disrupts education. Finally, this will help researchers everywhere, as well as policymakers, to reconceptualize gender issues in developing contexts and will provide useful insight for the planning of sustainable intervention strategies for English education in similar crises. In general, technology has created immense opportunities for all, but more so for marginal components of society, whether during a crisis or beyond. While it is true that technology has the potential to ensure equitable growth and opportunity, how this potential can be utilized is largely an unexplored territory in Bangladesh's context, and by extension, in other similar contexts. There is a wide gamut of factors like livelihood, women's empowerment, women's agency development, and gender roles during pandemic in a society where genders roles are fixed—all these factors need to be in cognizance when we consider a policy about online education. Without careful planning and policy implementation, we will not be able to ensure equality for the stakeholders in the knowledge economy that we envisage. If we fail to have a well-balanced policy, ICTs may exacerbate differences between the rich and the poor, and the men and the women. However, further research is required as these findings may not hold the truth for the primary and secondary education sector and teachers.

Source: https://www.bloomsbury.com/uk/gender-diversity-and-sexuality-in-english-language-education-9781350217560/#

Post-Pandemic Talent Management Models in Knowledge Organizations; Chapter: Talent Management for Academic Institutions During the Post-Pandemic Paradigm

Author: DR. HUMAYRA FERDOUS et al.

Brief Description:

A knowledge-based organization such as educational institutes, consultancy firms require certain skills from their employees. Among many, the prime duty of the department of human resource management (HRM) of an organization is to identify the required skills for a particular task or job. HRM searches those skills during the time of recruitment. However, skills are not constant; rather, they are dynamic. Different eras require different skills to perform any task successfully. During the post-pandemic period of COVID-19, usage of technology in educational institute for their regular tasks such as lecture delivery, online assessment, seminars, conducting workshops have increased rapidly. Unfortunately, the academicians in

many cases are not trained to perform these tasks in an efficient manner. This is especially true for developing countries like Bangladesh, where the transition from an analog to a digital world is still in progress. The chapter focuses on how HRM in any knowledge-based organization can play a very crucial role to convert its human resources into human capital.

Source: https://www.igi-global.com/book/handbook-research-post-pandemic-talent/286753

Post-Pandemic Talent Management Models in Knowledge Organizations; Chapter: Contemporary Security Threats: Some Proposals for Banking Networks in Bangladesh

Author: DR. MD. MANZURUL HASAN et al.et al.

Brief Description:

Online transactions have increased abruptly during the COVID-19 pandemic. In recent years, the expansion of easy banking in Bangladesh has become necessary, particularly when banks do not have sufficient branches in Bangladesh's rural areas. This research provides a quick overview, a managerial framework of cybersecurity, and several potential threats that might significantly affect the security of online monetary transactions by giving some important ways. The authors explore contemporary scamming strategies used by cybercriminals and the impact of such scams on the financial sector. In addition, this chapter presents a way to mitigate these concerns by inflexible banking, provides a quick overview of the current automated teller machine (ATM) fraud, and offers potential solutions to avoid these attacks. Furthermore, the authors examine the consequences of banking fraud and identify possible research avenues where researchers could focus their efforts on benefit.

Source: https://www.igiglobal.com/chapter/contemporary-security-threats/309459

Post-Pandemic Talent Management Models in Knowledge Organization; Chapter: Penetration Testing and Cyber Security Studies in Bangladesh: Post-COVID-19 Managerial Issues

Author: DR. MD. MANZURUL HASAN et al.

Brief Description:

The COVID-19 pandemic and consecutive lockdowns have made people dependent on the online environment and have made society compatible with virtual platforms. But the management of the electronic environment is not so easy but too crucial and vital as well as needs to be user-friendly. As a developing country, Bangladesh has welcomed digital changes. Unfortunately, threats and vulnerabilities have risen in lockstep with technological advancement. To deal with this issue, businesses and educational institutions are turning to cyber security. Penetration testing (Pen-Test) is a way of assessing the security of a web application, system, or network by systematically checking and confirming the efficacy of that system. The purpose, classifications, and uses of penetration testing in Bangladesh's IT industries are discussed in this chapter and depict the present state of cyber security in Bangladesh. The authors highlight some of the aspects that contribute to the country's cyber vulnerabilities. Finally, several proposals are made to protect Bangladesh's cyberspace against harmful assaults.

Source: https://www.igiglobal.com/chapter/penetration-testing-and-cyber-security-studies-in-bangladesh/309458

Students' Massive Open Online Course (MOOC) Readiness

Author: DR. KHONDAKER SAZZADUL KARIM et al.

Brief Description:

The growing trend of Massive Open Online Courses has led to an enormous number of courses accessible over the internet under different MOOCs programs. When a person wants to learn a specific module, he can easily search it on the look-up site of the MOOC program and get a group of course propositions to choose from. This study investigates factors that affect the student's readiness of Dhaka University toward adopting the MOOC as an online source of knowledge. This study followed the quantitative research approach. This study uses the cross-sectional method to collect the data; the questionnaire instrument is designed based on the survey proposed by the higher education of Bangladesh. The total study population of this study is the Bangladeshi students at Dhaka University. Based on the formula, this study's study sample is 382 students. This study questionnaire is adopted from the previous survey of the Ministry of Education in Bangladesh under the National Higher Education Strategic Plan. The SPSS software proposes detailed analysis options that view the data thoroughly and determine trends that have not been recognized. The correlation test is assigned to test the relationship significance and directions among the study constructs. In contrast, the regression test was used to determine each given factor's impact on the study's dependent variable. The study has found out the significant and positive effects of internet discussion, technology skills, technology access, motivation, online skills, and the importance for the success of Bangladeshi students for learning by using MOOC.

Source: https://www.amazon.com/Students-Massive-Online-Course-Readiness/dp/6204734601

Relevance of content and language integrated learning for teaching poetry in undergraduate classes

Author: MD. ASIF KAMAL et al.

Brief Description:

Content and Language Integrated Learning (CLIL) emerged with an intention of scaffolding both content and language learning which appears to be very relevant in the ESL and ELF contexts of higher education in different countries including Bangladesh. Since the majority of Bangladeshi learners' linguistic competence in the tertiary level English literature classes in ESL context seems to be inadequate for learning literary contents (Alam, 2018; Hasan, 2016; Mortuza, 2021; Shahriar, 2012; Yeasmin, 2011), adapting CLIL, which puts equal emphasis on subject teaching and language teaching for enhancing both the skill of communicating and transferring the content knowledge (Do Coyle, 2007), appears to be more effective than just conducting lecture-based content teaching. Therefore, the research intended to explore whether adapting task-oriented use of poetry integrating literary content and language teaching is more effective in developing students' literary comprehension as well as enhancing their English skills

simultaneously. A group of 1st year undergraduate students of English literature in a private university in Dhaka participated in this research. A mixed-method approach (Fielding & Fielding, 1986; Steckler, McLeroy, Goodman, Bird, & McCormick, 1992) to research was adapted which included classroom observations on implementation of CLIL and questionnaire surveys as research instruments. Based on the findings the research identified that CLIL is effective in poetry classes in developing cognition of content as well as enhancing linguistic competence only for those who lack linguistic proficiency and are traditionally majority in number in a class; but for those with sufficient linguistic competence CLIL did not help much in developing their language skills rather distracted them from proper comprehension of literary contents of poetry.

Relevance of content and language integrated learning to teaching English fiction in undergraduate classes.

Author: MD. ASIF KAMAL et al.

Brief Description:

Content and Language Integrated Learning (CLIL) emerged with an intention of scaffolding both content and language learning which appears to be very relevant in the ESL or ELF contexts of higher education in different countries including Bangladesh. The majority of Bangladeshi learners' linguistic competence in the tertiary level of English literature classes in the EFL or ESL context seems to be inadequate for learning literary contents (Alam, 2018; Hasan, 2016; Mortuza, 2021; Shahriar, 2012; Yeasmin, 2011). Therefore, adapting CLIL, which puts equal emphasis on subject teaching and language teaching for enhancing both the skill of communicating and transferring the content knowledge (Do Coyle, 2007), appears to be more effective than just conducting lecture-based content teaching. Hence, this research intended to explore whether adapting task-oriented use of short fiction integrating literary content lessons and language teaching is more effective in developing students' literary comprehension of fiction as well as enhancing their English skills simultaneously. A group of 1st-year undergraduate students of English fiction in a private university in Dhaka participated in this research. A mixed-method approach (Fielding & Fielding, 1986; Steckler, McLeroy, Goodman, Bird, & McCormick, 1992) to research was adapted which included classroom observations on the implementation of CLIL and questionnaire surveys as research instruments. Based on the findings the research identified that CLIL is effective in short fiction classes in developing cognition of content as well as enhancing linguistic competence only for those who lack linguistic proficiency and are traditionally the majority in number in a class, but for those with sufficient linguistic competence, CLIL did not help much in developing their language skills rather distracted them from a proper comprehension of literary contents of fiction.

Prediction of Online News Popularity using ANN Deep Learning

Author: KAWSER IROM RUSHEE et al.

Brief Description:

Online news is incredibly popular these days because of the growth of the Internet and web expansion. At the same time, it is dynamic and chaotic on many levels, thus it gives an interesting research opportunity for the prediction of online news popularity. ANN (Artificial Neural Network) was used in this paper on a online news popularity based dataset. The goal was to increase prediction accuracy using deep learning. Dataset was preprocessed to use for a multiclass classification. The model was created with appropriate features needed and it produced more than 96 percent accuracy. Moreover, the false negative value of each multiclass was very low and precision, recall, and f1 score was high in our proposed model. All the results were discussed for the prediction model. This can help the online news authors to increase their news popularity.

Possible Side Effects after Getting COVID-19 Vaccine Based on Pre-Existing Disease: Asthma: Analysis of Side Effects after using Moderna, Pfizer and Janssen Vaccine Based on VAERS Dataset.

Author: KAWSER IROM RUSHEE et al.

Brief Description:

Vaccination could be a critical preventative strategy against coronavirus disease 2019 (COVID-19), and it is essential to understand the vaccine's usability in the general population. A safe and effective vaccination is the most effective way to terminate this epidemic. Many communities throughout the globe have expressed concerns regarding the efficacy and side effects of coronavirus SARS CoV2 vaccinations. Vaccines are now being rushed to market. Many papers have been published on COVID-19 vaccine, hesitancy, acceptance rate, local survey, vaccine distribution, vaccine information, etc. However, none of them mentioned any potential side effects from the COVID-19 vaccination for those with pre-existing disease like Asthma. The study aimed to describe the possible side effects after getting COVID-19 vaccines (Moderna, Pfizer and Janssen) for those who have a pre-existing disease like Asthma.

Eliminating racial bias at the time of detection Melanoma using Convolution Neural Network (CNN)

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Brief Description:

Melanoma considers deadly cancer that can cause the death of a person if not distinguished at an initial stage. Although Melanoma is most common in white skin people and can be detected at an early stage using AI, white skin people have a much lower death rate from this cancer. But when black skin people have Melanoma, AI can't detect it at an early stage because most of the

time, the machines are trained with Dermoscopic pictures of white people, which leads to a higher mortality rate for black skin people. As a result, people don't want to trust the AI system at the time of Melanoma detection. In this paper, we proposed a model with whatever black or white skin it can easily detect using machine learning. In this case, we will use the Convolution Neural Network (CNN) of machine learning to detect Melanoma at an early stage so that the death rate caused by Melanoma cancer can be reduced. The proposed method can detect Melanoma with an accuracy of 88.9\% for both skin people which may significantly decrease the mortality rate.

Changing Nature of Conflict: Fighting Hybrid War in the 21st Century

Author: DR. MOHAMMAD ZAHIDUL ISLAM KHAN et al.

Brief Description:

BIPSS, in partnership with Dhaka Tribune, hosted a roundtable on 'Changing Nature of Conflict: Fighting Hybrid War in the 21st Century' at The Westin Dhaka. The event was moderated by Major General ANM Muniruzzaman (Retd), President of BIPSS and Mr. Zafar Sobhan, Editor of The Dhaka Tribune. The roundtable had an expert panel comprising of Lt General A T M Zahirul Alam (Retd), Former Commandant, National Defence College (NDC), Group Capt Mohammad Zahidul Islam Khan (Retd), Former Dean, Faculty of Science, Social Science & Liberal Arts, Bangabandhu Sheikh Mujibur Rahman Aviation & Aerospace University and Mr Shafqat Munir, Head of BCTR and Senior Research Fellow, BIPSS. The session was attended by ambassadors and senior diplomats based in Dhaka, government officials, defence personnel, academics, editors, journalists, scholars, and students among others. The discussion highlighted that hybrid war is a growing threat due to technological advancement and new infrastructure. A hybrid war doctrine and defence policies needs to be developed with multi-sectoral input to ensure national security.

Leadership Challenges: Contingent Commanders in UN Peacekeeping .

Author: DR. MOHAMMAD ZAHIDUL ISLAM KHAN et al.

Brief Description:

This presentation was part of the course conducted by BIPSOT for the future contingent commander to be deployed in UN peace keeping missions. The course participants included officers from army, navy, air force, police and APBN. The presentation was on the practical challenges of UN contingent commanders and the ways to overcome those based on personal experiences. It also involved elaboration on the United Nations rules and procedures applicable for the troops contributing counties and the related field manuals /SOPs and command structures to be followed.

ORGAN DONATION OR ORGAN PROCUREMENT? – A PUBLIC HEALTH PERSPECTIVE

Author: DR. MUHAMMAD WASIFUL ALAM et al.

Brief Description:

The interplay of faith, belief, religion, social norms, rituals and wider cultural attitudes with biomedicine and organ donation is very complex and a major challenge of public's health.

Despite the Bangladesh Organ Transplantation Act of 1999 together with religious leaders' fatwa in favor of organ transplantation, there is still lack of organ donation by "deceased or brain-dead patients". This may have impacted on the increasing demand for procuring/purchasing organs from living donor, often forcing poor people to selling vital organs – has created an illegal and unethical market in many countries. The major question remains, not only in Bangladesh but globally, why organ donors and families shy away from performing a noble cause? Is it more than the legislation, hospital resources and experienced doctors or is it the culture, approach, process and trust of our healthcare system? Understanding the process of counseling the families and obtaining consent from brain-dead patients is a vital skill which our healthcare providers may need to learn during their training. The associated factors of strong family ties, experiencing anxiety around permitting separating body parts of dead relatives for organ donation for transplantation, or donating the dead body for medical study and research purposes are critical challenges which needs to be discussed and mitigated. Promoting of transplantation from deceased of brain-dead donors may be one of the Public Health means to preventing from selling their organs and practicing cultural humility, decreasing waiting time and better outcome. Success stories of some countries overcoming these challenges will be shared.

Child Bride to Bookworm (Christmas Calendar 2019)

Author: DR. ARIFATUL KIBRIA et al.

Brief Description:

Endline Evaluation The Child Bride to Bookworm (CBB) project –"Reducing School Dropout in Urban Slums of Bangladesh" An ongoing study funded by Plan International.

Source: https://www.rdc1996.org/

Research and Development on Embedded System Design to Attain Sustainable Development Goals

Author: DR. MUHIBUL HAQUE BHUYAN et al.

Source: https://apmeeieb22.net/5th-ANNUAL-PAPER-MEET-APM

Measuring higher educational service quality during the covid-19 pandemic. A case study on private university

Author: M. M. OBAIDUL ISLAM et al.

Technology Enhanced Learning & Teaching

Author: DR. MOHAMMAD ZAHIDUL ISLAM KHAN et al.

Brief Description:

This lecture was part of the faculty development and training session for the newly recruited faculty of BSMRAAU.

BSMRAAU in National & Global Context" at the Faculty Development & Training Sessions held on 09 Jan -22 Jan 2022 at BSMRAAU, Dhaka Campus.

Author: DR. MOHAMMAD ZAHIDUL ISLAM KHAN et al.

Brief Description:

This event was part of Faculty Development and Training Session

Proposed Service Oriented Architecture for the Inheritance Web App of Bangladesh

Author: SUPTA RICHARD PHILIP et al.

Ensure Safe Internet for Children and Teenagers Using Deep Learning

Author: DR. KAMRUDDIN MD. NUR et al.

Impact of Covid-19 on Undergraduate Students' Academic Performance in a Developing Country: A Private University Case

Author: M. M. OBAIDUL ISLAM et al.

Some Aspects of Statistical tools Applied in Business and Social Science

Author: M. M. OBAIDUL ISLAM et al.

Bahdanau Attention Based Bengali Image Caption Generation

Author: DR. MUHAMMAD FIROZ MRIDHA et al.

Understanding the deficit level of BME professionals and its impact in the context of Dhaka City, Bangladesh

Author: DR. HUMAYRA FERDOUS et al.

Source: https://wc2022.org/

The effect of Covid-19 on the students success of the undergraduate Business program in Bangladesh: An Empirical Study

Author: AKM KAMRUL HAQUE et al.

Measuring Higher Educational Service Quality during the Covid-19 Pandemic. A case Study on Private University

Author: AKM KAMRUL HAQUE et al.

Shifting Higher Education to E-education: A Study on the Sudden Intrusion of E-learning in the Ecology of Language in the Context of EFL/ESL in Private Universities in Bangladesh

Author: TOUHIDA EASMIN et al.