

Creating Global Citizens with Islamic Values



ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)
ORGANISATION OF ISLAMIC COOPERATION (OIC)



35TH CONVOCATION NEWSLETTER 2023





CONTENT

Page

34th Convocation of IUT	01
IUT Ranked 401-450 in QS Asia Rankings 2023	04
IUT Award Ceremony 2023	05
Campus Activities	06
Meetings	09
Visits of IUT Delegates	10
Visitors to the IUT	12
Seminars/ Webinars/ Short Courses and Trainings	13
Memorandum of Understandings (MoUs)	16
Technical Fests	17
Students Activities/ Achievements	18
Games and Sports	21
Faculty News	23
Faculty Publications	23

VERSES FROM THE HOLY QURAN

Surah : Al-Mu'min; Verses : 67 and 68

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

☆☆☆

هُوَ الَّذِي خَلَقَكُمْ مِنْ تَرَابٍ ثُمَّ مِنْ نُطْفَةٍ
ثُمَّ مِنْ عَلَقَةٍ ثُمَّ يُخْرِجُكُمْ طِفْلًا ثُمَّ
لِتَبْلُغُوا أَشَدَّكُمْ ثُمَّ لَتَكُونُوا شِيُوخًا
وَمِنْكُمْ مَنْ يُتَوَفَّى مِنْ قَبْلُ وَلِتَبْلُغُوا
أَجَلًا مُّسَمًّى وَ لَعَلَّكُمْ تَعْقِلُونَ ﴿٦٧﴾
هُوَ الَّذِي يُحْيِي وَيُمِيتُ فَإِذَا قَضَىٰ أَمْرًا
فَأِنَّمَا يَقُولُ لَهُ كُنْ فَيَكُونُ ﴿٦٨﴾

In the Name of Allah
the Most Gracious, the Most Merciful

☆☆☆

(67) It is He Who has created you from dust then from a sperm-drop, then from a leech-like clot; then does he get you out (into the light) as a child; then lets you (grow and) reach your age of full strength; then lets you become old - though of you there are some who die before; and lets you reach a Term appointed; in order that you may learn wisdom.

(68) It is He Who gives Life and Death; and when He decides upon an affair, He says to it, "Be", and it is.

34th CONVOCATION OF IUT

The 34th convocation of the Islamic University of Technology (IUT), a subsidiary organ of the Organisation of Islamic Cooperation (OIC), was held on IUT campus at Board Bazar, Gazipur, on Monday, 23 May 2022 amid festivity and traditional solemnity. H.E. Dr. A. K. Abdul Momen, M.P., Hon'ble Foreign Minister, Government of the People's Republic of Bangladesh, graced the occasion as Chief Guest while Professor Dr. Mohammad Rafiqul Islam, Vice-Chancellor of IUT presided over the ceremony. Dr. Omar Jah, Pro Vice Chancellor, attended the meeting as well.

The event was also graced by Hon'ble Agriculture Minister H.E. Dr. Muhammad Abdur Razzaque, H.E. Mr. Irfan Shaukat, Director General (S&T), Organisation of the Islamic



Procession of the 34th Convocation of IUT



Distinguished Guests of the 34th Convocation

Cooperation (OIC) and H.E. Prof. Dr. Abdallah Bakhit Saleh, Adviser to the SG, Members of the Diplomatic Corps in Bangladesh, Members of the Academic Council. Deans, Faculty and Staff Members, Graduating Students, and their guardians were present at the ceremony with spontaneity and enthusiasm.

The Hon'ble Chief Guest expressed his happiness for inviting him to the convocation and appreciated the role being played by the University by educating and training the youths of the Ummah over the years. His Excellency recalled the glory of Islam and the Muslim scholars over the centuries who have contributed to make Muslims the reverent community in the past; the centrality of scripture and study in the Islamic tradition helped to make education a central pillar of religion in virtually all times and all places



Hon'ble Chief Guest, H.E. Dr. A. K. Abdul Momen, M.P. speaking at the 34th Convocation



H.E. Hissein Brahim Taha, Secretary General of the OIC and Chancellor of IUT speaking in his prerecorded video at the 34th Convocation

in the history of Islam. He encouraged the graduates to be inspired by the glorious history of the Muslim Ummah and make a place for themselves in this enlightened world of learning so that Muslims can still carry the knowledge and are the harbinger of innovations used for the well-being of humanity. He proudly mentioned that his Government had built a female dormitory in IUT, and he was pleased to see that a good number of girls are receiving their degrees today. He also stated that through the leadership of Sheikh Hasina, the Hon'ble Prime Minister of the People's Republic of Bangladesh, the women's empowerment has started in Bangladesh, and women have taken a leadership role in almost all areas of government business and education. He addressed the educational philosophy of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman, that for building ideal human resources for the social, political, and economic development of the country and humanity, education is a fundamental human right and that there should be equal opportunities for education for all irrespective of religion, ethnicity, cast, and color. He believed that our graduates would rise up to this occasion and spread the words of peace and take leadership to resolve all issues through dialogue and discussion in a peaceful manner. Dr. Momen assured the University of all possible support and cooperation of his ministry in particular, and the host government, Bangladesh, in general.

His Excellency Hissein Brahim Taha, Secretary General of the OIC and Chancellor of IUT, in his prerecorded video message expressed his satisfaction over the efforts being made by the IUT administration, under the leadership of its

Vice-Chancellor, Prof. Dr. Mohammad Rafiqul Islam, in improving the image and stature of the University by taking new initiatives for the development of the infrastructure, among others. The Secretary General expressed his gratitude to the Government of the People's Republic of Bangladesh, for its unwavering commitment to the University's growth and advancement. He put on record his gratefulness to Her Excellency Sheikh Hasina, Honorable Prime Minister, Bangladesh, for her keen interest in different affairs and continual support to this University. On this happy occasion, he extended his heartiest felicitation and good wishes to all the graduating students, the faculty members, and IUT administration.

His Excellency expressed this gladness that the University had adopted a comprehensive strategic plan for ensuring quality education and allocated funds for conducting cutting-edge research, thereby placing IUT for the first time in the QS Asia Rankings 2022 with the top position in Bangladesh under International Student Indicator. In addition, he thanked the OIC member states for their contributions and support to the university and asked for their continued assistance to ensure the university's healthy growth.

The Secretary General appreciated the progress made by the University toward achieving the objectives for which it was established.

Welcoming the distinguished guests, graduates and their parents, Prof. Dr. Mohammad Rafiqul Islam, Vice Chancellor, Islamic University of Technology (IUT), expressed his sincere



Academic Procession and Distinguished Guests of the 34th Convocation



Prof. Dr. M. Rafiqul Islam, Vice Chancellor, IUT speaking at the 34th Convocation



Distribution of Certificates and Gold Medals at the 34th Convocation

thanks and deep gratitude to the Chief Guest His Excellency Dr. A K Abdul Momen for kindly gracing the convocation. He also put on record his gratefulness to H.E. Hissein Brahim Taha, Secretary General of the OIC and Chancellor of IUT for his prerecorded speech and for all the efforts he has been making for the development of the University. He informed the audience that the Secretary General took all the preparations to attend the programme but due to some emergency issues, he could not make it. The Vice Chancellor extended his gratitude to the members of the Academic Council for their spontaneous cooperation in the academic activities of the University. He also expressed his debt of gratitude to all member states of the OIC in general and the

host country, in particular, for providing the University with moral, material, and intellectual support over the years. Prof. Dr. Mohammad Rafiqul Islam recalled with great gratitude the Father of the Nation of Bangladesh, Bangabandhu Sheikh Mujibur Rahman, under whose visionary leadership, Bangladesh joined the OIC in 1974. His realization of the necessity of the collective voice of the Ummah on issues of global importance proved to be prophetic. The VC added that the great leader appreciated long back the importance of unity and solidarity within and beyond the Ummah.

While congratulating the graduates, the Vice Chancellor said that convocation is one of the most memorable days not only for the life of the students but also a milestone in the success stories of IUT. Convocation is a day of celebration and enjoyment. He added that convocation is the day for looking forward to a new life as well as a day for recognition. The VC told the graduates that they had started their journey at IUT with lots of hopes and aspirations and the University tried to provide the graduates with the best possible academic environment. The VC called upon the students to pay back the debts that they owe to their families, countries, and the Ummah. As many as 1150 (Eleven hundred and fifty) students from 16 member countries of the OIC graduated in the academic years 2019-2020 and 2020-2021. It may be noted that due to the pandemic, the University could not organize the convocation for the graduates in 2021. Thus, the University organized the convocation for two consecutive batches of graduates.



Presentation of Crest to Hon'ble Chief Guest



Handover of Crest of Hon'ble Chancellor of IUT and Secretary General of OIC to his Representative H.E. Prof. Dr. Abdallah Bakhit Saleh



Recipients of Gold Medals AY 2019-2020 & 2020-2021

In recognition of outstanding results, OIC gold medals were awarded to Mr. Mohammad Ishrak Abedin of the Department of Computer Science and Engineering (CSE) for the academic year 2019-2020 and Mr. Niaz Ahmed of the Department of Civil and Environmental Engineering (CEE) for the academic year 2020-2021.

IUT gold medals were awarded to Ms. Sanjida Ali of the Department of Electrical and Electronic Engineering (EEE), Mr. Yasin Khan of the Department of Mechanical and Production Engineering (MPE) and Mr. Md. Rifat Hossain Bhuiyan of the Department of CEE for the academic year 2019-2020.

IUT gold medals were also awarded to Ms. Fatima Tasneem Mohsin of the Department of MPE; Mr. Md Rizwanul Kabir of the Department of EEE; Mr. Ali Abir Shuvro of the Department of CSE; Ms. Maliha Noushin Raida of Software Engineering Programme under Department of CSE; Ms. Jinnatul Raihan Mumu of the Department of Business and Technology Management (BTM) and Mr. Muhammad Dikko Gambo of the Department of Technical & Vocational Education (TVE) for the academic year 2020-2021.

Recipients of OIC Gold Medals AY 2019-2020 & 2020-2021



Mr. Mohammad Ishrak Abedin
CSE Department A.Y. 2019-2020



Mr. Niaz Ahmed
CEE Department A.Y. 2020-2021

Recipients of IUT Gold Medals AY 2019-2020



Mr. Yasin Khan
MPE Department



Ms. Sanjida Ali
EEE Department



Mr. Md. Rifat Hossain Bhuiyan
CEE Department

Recipients of IUT Gold Medals AY 2020-2021



Ms. Fatima Tasneem Mohsin
MPE Department



Mr. Md Rizwanul Kabir
EEE Department



Mr. Ali Abir Shuvro
CSE Department



Ms. Maliha Noushin Raida
CSE (SWE) Department



Ms. Jinnatul Raihan Mumu
BTM Department



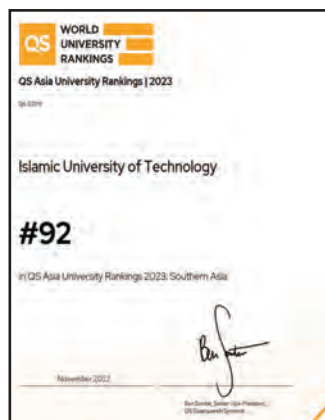
Mr. Muhammad Dikko Gambo
TVE Department

IUT Ranked 401-450 in QS Asia Rankings 2023

For the second time in a row, IUT has managed to secure the band 401–450 in the QS Asia University Rankings 2023 and ranked 92nd position among all South Asian Universities. The University is delighted to take a place among the 760 institutions in Asia and fly the flag of IUT.

The UK-based ranking organization Quacquarelli Symonds (QS), announced the QS Asia University Rankings 2023 on 08 November 2022. This internationally renowned ranking system is widely regarded as one of the most prestigious university rankings in the world, giving an authoritative and impartial review of institutions worldwide. It considers performance against a range of indicators, such as academic reputation, employer reputation, citations per paper, papers per faculty, student-faculty ratio, international faculty, international students, inbound exchange students, and outbound exchange students for universities around the world.

In the QS Asia University Rankings 2023, IUT has performed a 6% improvement since last year's standing and has been placed in the top 53% of all Asian institutions. Also, considering the indicator of international students, IUT is now in the first place among 14 Bangladesh institutions and ranked 87th out of all institutions in Asia. Commendable progress has also been made in some other indicators, including employer reputation, student-faculty ratio, papers per faculty, citations per paper, and international research network. Focusing on these indicators and enhancing academic endeavors, the University aspires to secure its place in the QS World University Ranking in the coming years and reinforce its commitment to be a leading University of Science, Engineering and Technology. The University extends her deepest appreciation to the General Secretariat for its continuous support over the years and expects cooperation from all corners of the member states in OIC.





Chief Guest and Guests of Honors speaking at the IUT Award Ceremony 2023

IUT AWARD CEREMONY 2023

Islamic University of Technology (IUT) organized the IUT AWARD CEREMONY 2023 on Tuesday, 11 April 2023 for the first time in the history of IUT. The Ceremony was followed by Iftar Party, organized by the Religious Affairs Committee of IUT. H. E. Mr. Mohibul Hassan Chowdhury MP, Deputy Minister, Ministry of Education, Govt. of the People's Republic of Bangladesh, was the Chief Guest in the Ceremony. H. E. Mr. Mohanad Al Darraji, Charge d'Affaires (CDA), Embassy of the Republic of Iraq, Dhaka, Bangladesh and H.E. Ms. Wahida Ahmed, Director General, International Organizations Wing, Ministry of Foreign Affairs, Govt. of the People's Republic of Bangladesh, graced the occasion as Guests of Honours.

In the student category, a total of 32 student groups were awarded for their outstanding achievement in different competitions in various national and international competitions.

Different categories of award have been distributed among the faculty and staff members. Under IUT Research Excellence Award, Prof. Dr. Md. Shahadat Hossain Khan (TVE), Prof. Dr. Rakibul Hasan Sagor (EEE), and Dr. Arafat



Iftar Party, organized by the Religious Affairs Committee

Ahmed Bhuiyan (MPE) were awarded for their outstanding research activities. Moreover, publication incentive awards were given to the respective faculty members for publishing 37 research articles in the Q1 and Q2 Quartile of SCImago Journal Rank (SJR).

In addition, the staff excellence award was given to Mr. A K M Shahidur Rahman (Senior Establishment Officer) for his contribution to IUT. Finally, two committees were awarded the "Special Appreciation Award" for contributing to IUT. The committees are Corona Virus Task Force Committee and IUT Ranking Committee. Prof. Dr. Hossain Md. Shahin was awarded for the national contribution to the member state expert panel for Padma Bridge.



Photographs of the IUT Award Ceremony 2023



CAMPUS ACTIVITIES

CAREER EXPO 2023

IUT Career and Business Society in collaboration with IUT Alumni Association successfully arranged the flagship event 'Career Expo 2023' on 7th April, 2023. In presence of Prof. Dr. Mohammad Rafiqul Islam, Vice-chancellor, IUT and special guests Mr. Saad Jashim, Area Head of Talent, Culture & Inclusion, BAT Bangladesh, Mr. Syed Tanvir Husain, Chief Human Resources Officer Grameenphone Ltd., and Mr. Md. Shirajul Islam Mollah, President, Bangladesh Ceramic Manufacturers & Exporters Association, Managing Director, China Bangla Ceramic Ind. Ltd, the event was inaugurated and opened for the visitors. The moderator of IUT CBS along with other faculty members were also present in the event. Leading global multinationals & local companies attended the event to communicate their company values as well their job offerings to the students. With huge response from the IUTians, this year's Career expo was a tremendous success. A seminar and panel discussion sessions were conducted by IUT alumni from different industries. Through the discussions, they shared their valuable insights and experiences. Their words not only motivated the students but also prepared them for the challenges that lie ahead of their careers. Organisations attending the expo – Bkash, Nestle, SMEC, BAT Bangladesh, Pathao Ltd., Navana Group, Neural Semi-Conductor, Confidence Group, Nagad Ltd., FoodPanda, Chevron, Trittech, RedDot Digital Ltd., Wonder Soft Solution, Banglalink, Avery Dennison, ShopUp, Bangladesh Ceramics Association, Shanta Holdings and Intelligent Machines Ltd.



Supporting partners of Career Expo 2023



IUT Career and Business Society

Prize Distribution Ceremony 2023

The Prize Distribution Ceremony for various indoor and outdoor game competitions was held on 12 April 2023, Organized by the Games and Sports Committee, IUT. Prof. Dr. Mohammad Rafiqul Islam, Vice Chancellor of IUT was the Chief Patron and Dr. Omar Jah, Pro- Vice Chancellor, IUT was the Patron of the program. Prof. Dr. Md. Abu Raihan, Chairman, Games and Sports Committee, IUT was present in the program. Chief Patron and Patron of the program distributed prizes among the winners. The Prize Distribution Ceremony was also attended by the faculty members, students, and staff members of the university.



Prof. Dr. M. Rafiqul Islam, Vice Chancellor, IUT speaking at the Annual Prize giving ceremony 2023



Inter Department Volleyball Champion CSE Department



Inter Departmental Basketball Champion MPE Department



Inter Departmental Cricket Champion CEE Department

Inauguration of "Cezeri Lab" of the MPE Department

The Department of Mechanical and Production Engineering of IUT inaugurated one of the premier digitalized fabrication laboratories in the nation on 17 November 2022 donated by Turkish Cooperation and Coordination Agency (TiKA). The lab has been named "Cezeri Lab" in honor of Al-Cezeri, the father of robotics and a notable Turkish physicist. The Secretary (West) of the Ministry of Foreign Affairs of the People's Republic of Bangladesh, H.E. Mr. Shabbir Ahmad Chowdhury, and the Ambassador of the Embassy of the Republic of Turkey in Bangladesh, H.E. Mr. Mustafa Osman Turan, attended the ceremony as the Chief Guest and Guest of Honor, respectively. Mr. Sevki Mert Baris, the country coordinator of TiKA, Dhaka, was also a special guest at the program, which was presided over by the Honorable Vice Chancellor of IUT, Prof. Dr. M. Rafiqul Islam. This laboratory can be a stepping stone for IUT students from OIC member states to familiarize themselves with cutting-edge 3D technology. IUT officials thanked TiKA and the Embassy of the Republic of Turkey in Bangladesh for assisting the University in establishing the lab. This laboratory offers students fresh opportunities to enrich the Muslim Ummah and the world via innovation and creativity.



H.E. Mr. Mustafa Osman Turan, Ambassador of Turkey in Bangladesh, Mr. Sevki Mert Baris, the country coordinator, TiKA, Dhaka, H.E. Mr. Shabbir Ahmad Chowdhury, Secretary (West), Ministry of Foreign Affairs, Bangladesh and Prof. Dr. M. Rafiqul Islam, Vice Chancellor of IUT, inaugurating "Cezeri Lab"

Donations to the Earthquake victims of Türkiye and Syria through TiKA

Prof. Dr. M. Rafiqul Islam, Vice Chancellor of the University, handed over the warm clothes on 19 February, 2023 as donation to help the sufferings of deadly earthquake victims of Republic of Türkiye affected especially southern and central Türkiye, and Syria. The contributory amount was the one-day's basic salary of all faculty and staff members of the University. Prof. Islam handed over the items to Mr. Sevki Mert Baris, Country Coordinator of the Turkish Cooperation and Coordination Agency (TiKA), Dhaka, where representatives from Faculty and Staff members of the University were present.



Prof. Dr. M. Rafiqul Islam, Vice Chancellor of IUT handed over Donations to the Earthquake victims of Türkiye and Syria

A day-long Picnic 2023 of IUT Staff Members

A day-long picnic 2023 of IUT staff members was held on 04 March 2023 at a nature reserve resort named "Pubail Resort Club" located in Gazipur near the IUT. In the event, Prof. Dr. M. Rafiqul Islam, Vice Chancellor was present as a Chief guest, along with Dr. Omar Jah, Pro Vice Chancellor as a Special guest, and Dr. Mwebesa Umar, Registrar, Mr. Maruful Islam Bhuiyan, Comptroller, as a guest of Honor that enlightened the annual picnic 2023 among the IUT staff members and their families.



Picnic 2023 of the IUT Staff members



IUT FRESHERS' RECEPTION 2022

IUT Freshers' Reception 2022 of Islamic University of Technology (IUT) for the academic year 2021-22 was held on Wednesday, 31 August 2022 at the auditorium of the University. Prof. Dr. Ainun Nishat, Professor Emeritus, BRAC University, Dhaka, graced the occasion as Chief Guest. Prof. Dr. Mohammad Rafiqul Islam, Vice Chancellor, was the Chief Patron, and Dr. Omar Jah, Pro Vice Chancellor of the University, was the Patron of the auspicious programme. The Chief Guest expressed thanks to the university authority for inviting him to attend the programme and welcomed the newly admitted students of the University. The newly admitted students from all departments enjoyed the programme. The event was attended, among others, by the Deans, Heads of department, office, centre, institute, as well as faculty and staff members of the University. Prof. Dr. Islam, VC of IUT expressed his deep gratitude and thanks to the Chief guest for giving his valuable time to join this programme. The programme ended with the presentation of a crest to the chief guest.



The Chief Guest Prof. Dr. Ainun Nishat, Professor Emeritus, BRAC University, speaking in IUT Freshers' Reception 2022



IUT Freshers' Reception 2022

BTM Received the Membership of "AACSB"

The Department of Business and Technology Management (BTM) has successfully received membership from the top international Accreditation body for Business school - AACSB (Association to Advance Collegiate Schools of Business).



BTM membership certificate from AACSB

Industrial Visit of ACI IUT Student Branch

The American Concrete Institute Islamic University of Technology Student Chapter (ACI IUT SC) organized an industrial visit on 19 November 2022 at "Asian Paints", Rajendrapur. The purpose of the visit was to gain industry-level experience.

IUT ITE Student Chapter Intra-event

Speedolite was the first intra-event for the IUT Institute of Transportation Engineers (ITE) Student Chapter in Bangladesh on 28 October 2022. Speedolite's objective was to serve as a community place for transportation engineering enthusiasts to exchange ideas and cooperate on innovative solutions to our daily mobility challenges.



IUT ITE Student Chapter

Texas A&M University and BTM Department IUT extend future collaboration

Associate Professor Dr. Mario Hayek, Dean- College of Business, Texas A&M University visited IUT on 13th April, 2022 with a motive to extend future collaboration with BTM Department. They had a fruitful meeting on a number of exchange programs and possible future collaborations.



Prof. Dr. Mohammad Rafiqul Islam, Vice Chancellor in a meeting with Texas A&M University and BTM Department, IUT



MEETINGS

48th Board Meeting of IUT

The 48th meeting of the Governing Board was held on 19 - 20 December 2022 at a Hotel in Dhaka and IUT Campus, respectively. The session was attended by, among others, H.E. Dr. Saleh I. Alqasoumi, Deputy Minister for International Cooperation, Ministry of Education, Kingdom of Saudi Arabia; H.E. Mr. Berik Aryn, Ambassador of the Republic of Kazakhstan to KSA and Permanent Representative of Kazakhstan to the OIC; H.E. Mr. Masud Bin Momen, Foreign Secretary (Senior Secretary); H.E. Ms. Wahida Ahmed, Director General (IO), Ministry of Foreign Affairs, Government of the People's Republic of Bangladesh; H.E. Professor Diaraf SECK, Technical Adviser, Ministry of Higher Education, Research and Innovation, Dakar, Government of the Republic of Senegal; H.E. Mr. Daouda Mahamat Khali, Cultural Counselor of the Embassy of Chad in Riyadh, KSA; H.E. Mr. Jehanzeb Khan, Counsellor at High Commission of the Islamic Republic of Pakistan in Dhaka; Prof. Dr. M. Rafiqul Islam, Vice Chancellor, IUT along with other high officials of the University. The meeting was also attended by the representatives from the Organisation of Islamic Cooperation (OIC), H.E. Ambassador Askar Mussinov, Assistant Secretary General at the Department of Science and Technology; H.E. Dr. Alsharabi Faisal Mohammed, Director General of Admin and Finance; H.E. Prof. Dr. Abdallah Bakhit Saleh, Advisor to Secretary General of OIC and Ms. Aida Toumi, Professional Officer at Department of Science and Technology. The meeting resolved a number of important issues for the development of the University and elected H.E. Dr. Saleh I. Alqasoumi as the Chairman of the



48th Board Meeting of IUT



Members of the IUT Governing Board met with the IUT Students, Faculty and Staff Members at IUT Auditorium on the second day of the meeting

Governing Board of IUT. Moreover, three Vice-Chairmen were elected, the representative of the Government of the Republic of Kazakhstan, the People's Republic of Bangladesh, and the Republic of Chad, respectively. On the second day of the meeting, the committee members visited the University and met with the students, faculty and staff members.

The 84th, 85th and 86th IUT Academic Council Meeting Held

The 84th, 85th, and 86th meeting of the Academic Council of the Islamic University of Technology (IUT) were held on 17 May 2022, 06 June, 2022 and 21 July, 2022, respectively. The meetings were presided over by Prof. Dr. M. Rafiqul Islam, the Vice Chancellor of IUT, and the Chairman of the Academic Council. The meetings were organized at the Distance Learning Theater (DLT) of the University. Representative nominated external members, Pro-Vice-Chancellor, Deans of Faculties, Heads of the Departments and Professors of IUT were present in the meetings as the member of the academic council. Dr. Mwebesa Umar Registrar, IUT was the member secretary of the academic council meetings. In the meeting, different academic activities, policies were discussed and approved.

The 51st and 52nd CASR Meeting

The 52nd meeting of the Committee for Advanced Studies and Research (CASR) began its deliberations on 13 March 2023 on a virtual platform under the Chairmanship of the Vice Chancellor of IUT. The meeting was adjourned on that day for further discussion and resumed its deliberations on 27 March 2023 on a virtual platform. The 51st meeting of the CASR began its deliberations on 25 August 2022 at the IUT under the Chairmanship of the Vice-Chancellor of IUT. The meeting was also adjourned on that day for further discussion and resumed its deliberations on Monday, 05 September 2022 under the Chairmanship of the Pro Vice-Chancellor of IUT. Pro-VC, Deans, Heads of Department, Center, and Institute, members from different Departments, and external members of the CASR (Dr. Abdullahel Bari, Chairman, Ananda Group, Prof. Dr. Mohammad Kaykobad, Distinguished Professor, BRAC University, Dhaka, and Prof. Dr. Md. Shamsul Hoque, Professor, Department of Civil Engineering, BUET, Dhaka) were present in these meetings. Agenda from different academic departments were discussed in these meetings. The CASR committee approved the IUT seed grant, several Master's and Ph.D. thesis proposals, and selected post-graduate thesis supervisors for the post-graduate students of different departments.



VISITS OF IUT DELEGATES

IUT delegation attended the 49th Session of CFM in Nouakchott

A two-member delegation led by Prof. Dr. Mohammad Rafiqul Islam, Vice Chancellor, and Dr. Omar Jah, Pro-Vice Chancellor of IUT, attended the 49th Session of the Council of Foreign Ministers (CFM) of the OIC held on 16-17 March 2023 at International Conference Center Al Mourabitoune in Nouakchott, Islamic Republic of Mauritania. The foreign ministers of OIC member states attended the session. The theme of the 49th CFM session was "Moderation: Key to Security and Stability", where several political, economic, social, cultural, and security issues were discussed. The IUT VC also took the opportunity to visit the University of Nouakchott (UN) and exchanged views on areas of cooperation between IUT and the UN with the President of the University, Dr. Cheikh Saad Bouh Kamara, and other officials of the University.



Prof. Dr. M. Rafiqul Islam, Vice Chancellor and Dr. Omar Jah, Pro- Vice Chancellor of IUT in 49th Session of CFM

Kingdom of Saudi Arabia, on 29 January-01 February 2023. The other delegation members were Dr. Omar Jah, Pro-Vice Chancellor, and Mr. Maruful Islam Bhuiyan, FCA, Comptroller of the University.

45th Session of Islamic Commission for (ICECS)

Vice Chancellor Prof. Dr. M. Rafiqul Islam, along with the Pro Vice Chancellor Dr. Omar Jah of IUT, attended the 45th Session of Islamic Commission for Economic, Cultural and Social Affairs (ICECS), which was held on 22-24 January 2023 at the OIC Headquarters, Jeddah, KSA. In the ICECS meeting, the Vice Chancellor made a brief statement on the programmes and recent activities of the University and stressed the need for increased funding for the smooth running of the University where youths of the different member states of the OIC are studying in a conducive multicultural and multilingual environment.



IUT Delegates in the 45th Session of Islamic Commission for Economic, Cultural and Social Affairs (ICECS)

51st Session of the Permanent Finance Committee (PFC)

A three-member delegation led by Prof. Dr. M. Rafiqul Islam, Vice Chancellor, IUT, took part in the 51st Session of the Permanent Finance Committee (PFC) of the Organisation of Islamic Cooperation (OIC) held in Jeddah,



IUT Delegates in the 51st Session of the Permanent Finance Committee (PFC)

During this visit, the amendment of the Headquarters Agreement for IUT between the Organisation of Islamic Cooperation (OIC) and the Government of the People's Republic of Bangladesh was signed. H.E. Ambassador Askar Mussinov, Assistant Secretary General at Science & Technology of OIC, signed on behalf of the OIC, and H.E. Mr. Masud Bin Momen, Foreign Secretary (Senior Secretary) of Bangladesh, signed on behalf of the Bangladesh Government. His Excellency Hissein Brahim Taha, Secretary General of OIC; Dr. Mohammad Javed Patwary, BPM (Bar), Ambassador at Embassy of Bangladesh in Riyadh, Saudi Arabia; Prof. Dr. M. Rafiqul Islam, Vice Chancellor of IUT; Ms. Wahida Ahmed, Director General (DG) of the International Organizations Wing of the Ministry of Foreign Affairs (MOFA), Bangladesh and other high officials from OIC and MOFA, Bangladesh were also present on occasion. The Vice Chancellor also met with the Secretary General of OIC in his office and described the recent activities of the University.



Headquarters Agreement signing ceremony for IUT between the OIC and the Government of the People's Republic of Bangladesh



Vice Chancellor of IUT met with the Secretary General of OIC in his office

Vice Chancellor met with CDA of the Embassy of the Republic of Iraq

Prof. Dr. M. Rafiqul Islam, Vice Chancellor, IUT, called on H.E. Mr. Mohanad Al Darraji, Charge d'Affaires (CDA), Embassy of the Republic of Iraq, on 23 February 2023, at the latter's office. The Vice Chancellor expressed his deep gratitude to the Government of Iraq, which has shown keen interest in the activities of IUT since its establishment. They exchanged views on the different activities and programmes of the University. The Vice Chancellor thanked the CDA in particular and the Embassy in general for their continued support and cooperation extended to the University. The Vice Chancellor requested the CDA to explore the possibility of nominating Iraqi students for admission in various academic programmes, including those in emerging and cutting-edge technologies. Prof. Islam invited the CDA to visit the campus of the University.

IUT Delegates Visit IUIU, Uganda

Vice Chancellor Prof. Dr. Mohammad Rafiqul Islam, along Pro-Vice Chancellor Dr. Omar Jah, attended the IUIU 30th graduation program of the Islamic University in Uganda (IUIU), Uganda on 11-12 June 2022 on the invitation of their Counterpart, the Rector of IUIU, Prof. Dr. Ismail Simbwa Gyagenda. The Vice Chancellor and Pro Vice Chancellor, participated in the two-day cultural gala sponsored by OIC

Secretariat with the theme "Culture, Education and Development: Experiences from the Muslim World". The gala was attended by high level dignitaries including H.E. Ali Bakheet Tariq, the Assistant Secretary General (ASG) for Humanitarian and Social Affairs at the OIC who represented H.E. Ibrahim Taha Hissein, the OIC Secretary General. On the same day, the VC and Pro VC attended the Exhibition prepared and organized by the Ugandan IUTians and attended a meeting with IUTians where they discussed issues of mutual interest.



Vice Chancellor Prof. Dr. Mohammad Rafiqul Islam and Pro Vice Chancellor of IUT attended the IUIU 30th graduation program, IUIU, Uganda



Vice Chancellor Prof. Dr. Mohammad Rafiqul Islam and Pro Vice Chancellor of IUT attended a meeting Ugandan IUTians and exhibition organized them.

Vice Chancellor of IUT Visits Islamic Development Bank (IsDB), KSA

Prof. Dr. M. Rafiqul Islam, Vice Chancellor, IUT had a meeting with H.E. Dr. Mansur Muhtar, Vice President, Country Programs, Islamic Development Bank (IsDB), on 08 September 2022, at the IsDB Head Quarter, Jeddah, Kingdom of Saudi Arabia. The Vice Chancellor expressed his deep gratitude to IsDB for their continued cooperation and support to the University. They exchanged views on the different activities and programmes of the University. The opportunities of providing scholarships to Muslim students from OIC non-member states, Awqaf Properties Investment Fund (APIF), and University infrastructure development loan related matters were discussed along with other topics. Excellency took everything positively and stated their desire for the support of this institution. It is be noted that the IsDB provided two soft loans to IUT for the



Prof. Dr. M. Rafiqul Islam, Vice Chancellor, IUT with H.E. Dr. Mansur Muhtar, Vice President, Country Programs, Islamic Development Bank (IsDB)

construction of an academic building and a residential hall. The VC invited H.E. to visit the university's campus and its facilities and infrastructure created for delivering top-notch education and training to the youths of the Ummah.

VISITORS TO THE IUT

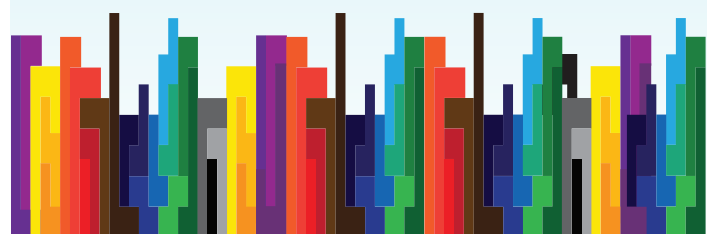
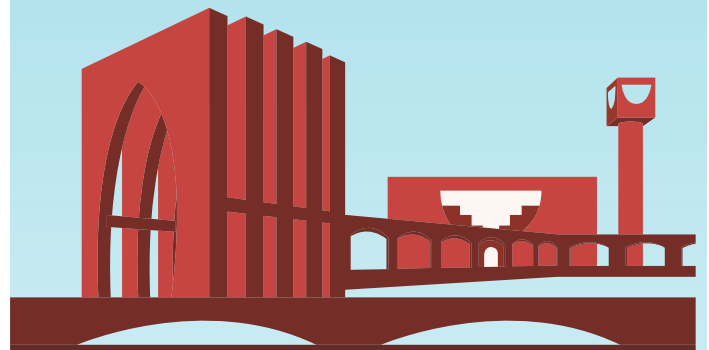
Algerian Ambassador Visits IUT

H.E. Mr. Rabah LARBI, Ambassador, Embassy of the People's Democratic Republic of Algeria in Bangladesh, attended as the Chief Guest of the "Certificate Awarding and Closing Ceremony on Dialogue-Based French Language Course" organised by the Department of Technical and Vocational Education (TVE), IUT on 24 February 2023. The visitors were received by the Vice Chancellor, Pro Vice Chancellor, Deans, Heads of the Department/ Office, and staff members. The Ambassador handed over the certificates to the participants. Later on, H.E. was taken around the campus and informed about the various research and academic activities of IUT. He was highly impressed by visiting the laboratories and workshops of the University. The Algerian Ambassador was keen to explore the possibilities of mutual cooperation between IUT and different educational institutes in Algeria.



H.E. Mr. Rabah LARBI, Ambassador, Embassy of Algeria in Bangladesh in the Certificate Awarding and Closing Ceremony organized by the Department of TVE

IUT 35TH CONVOCATION 2023





SEMINARS/WEBINARS/WORKSHOPS SHORT COURSES AND TRAINING

REASP Department

WEBINAR

Department of Research, Extension, Advisory, Services, and Publications (REASP) organized a webinar on "Academic Integrity in Research and Avoiding Plagiarism" on 19 November 2022. The participants were the IUT Faculty members, post-graduate students, and final-year undergraduate students. The webinar focused on the definition of academic Integrity in Research and Plagiarism, the difference between Plagiarism & Text Similarity, Turnitin software training, and IUT Plagiarism Policies. The resource persons were Prof. Dr. Ashik Ahmed, from EEE Department of IUT, and Turnitin software experts from Turnitin, India.

Office of AQA

TRAINING PROGRAM

The Office of Accreditation and Quality Assurance (AQA) organized a day-long training program on "Quality Education through Effective Teaching" on July 29, 2022. About 40 young faculty members from different departments of IUT joined this program. Prof. Dr. Mohammad Rafiqul Islam, VC, IUT, Prof. Dr. Mohammed Abdullah Mamun, Department of Management, University of Chittagong, and Prof. Dr. Md. Shahadat Hossain Khan, Department of TVE, IUT were the resource persons in the training sessions.

MPE Department

SEMINARS

On 3 February 2023, as part of the Professional Lecture Series on Career Development, a seminar titled "Technical Report Writing" was offered for the students of IUT. The workshop was led by Professor Zamberi Bin Jamaludin, a visiting professor in the MPE department at IUT, who discussed crucial technical components of report writing.

MPE Department hosted another seminar on "Business Communication" on 30 December 2022 at the institution's auditorium. More than one hundred participants attended in this very participatory workshop. Mr. Golam Murshed,



Seminar on "Quality Education through Effective Teaching", Organized by MPE Department

Managing Director and CEO of WALTON Hi-Tech Industries PLC, was the resource person.



Seminar on "Business Communication", Organized by MPE Department

As part of commitment to the professional development of IUT students, the Department of Mechanical and Production Engineering hosted a seminar on "Analysis of Engineering Problems in ANSYS Workbench for Beginners" in the IUT auditorium on December 29, 2022. Over 140 people showed up, making for a lively discussion. Professor Awlad Hossain of Eastern Washington University, was the resource person.

BTM Department

SEMINARS

The Department of Business & Technology Management (BTM) organized the first session of "Meet the Industry Leader", a series of talks by the leaders of the industries. The speaker of this session was Dr. Abdullahel Bari, the Chairman of Ananda Group. Dr. Bari delivered his insightful



Dr. Abdullahel Bari, the Chairman of Ananda Group was the resource person



thoughts and motivated the students with a synergy of strong expression and empowerment over the prospective traits of the BTM Curriculum.

BTM Department organized a seminar on "Behind the scenes: Sustainable Operation of Tech-Startup" on September 2, 2022. The speaker of this seminar was Mir Shahrukh Islam, Co-founder and Managing Director of Bondstein Technologies Limited, a technology company dedicated to enabling enterprises to adopt industrial IOT to gain operational efficiency in the era of 4th industrial revolution.



Participants of the Seminar Organized by BTM Department

BTM Department organized a seminar on "FinTech career for BTM students: Preparation & International Perspective" on 16th September, 2022. The speaker of this seminar was Dr. Hasina Sheykh, Professor of Banking and Insurance, University of Dhaka. The seminar covered a detailed understanding of financial technology, the prospects in this sector for BTM students, and the pathway to secure a successful career in the field of FinTech.

WEBINARS

The BTM Department of IUT started a series of virtual sessions on "Now What? The voice of BTM Graduates". The first session was on "Hunting your higher study dream - A journey with Jinnatul Raihan Mumu" on 18 September, 2022 conducted with a large number of aspiring participants. Mumu is the first gold medalist from BTM 17th Batch. She is currently pursuing her MBA with full scholarship in the USA. The second session was on "What is the right time for your essential professional skills? - A journey with Anika Faiza Binte Hasan" on 10 January, 2023. From these sessions, the current students of BTM received valuable insights on the development of essential professional skills.

The Department of BTM commenced the online short course on 'Big Data Analytics and Machine Learning' on 15 January 2023 for the third time. Vice Chancellor of IUT Prof. Dr. M. Rafiqul Islam was the Chief Guest of the opening ceremony. The resource persons of the short course were Mr. Shahidul Mannan, Chief Data Officer at Bon Secours

Mercy Health, leading BSMH digital transformation, and Mr. Jahangir Alam, Director of Data Science and Innovation at a pharma company in the USA.

WORKSHOP

Department of Business and Technology Management (BTM) organized a workshop on "Youth Leadership Development" jointly sponsored by Bangladesh Institute of Islamic Thoughts (BIIT) and IUT during 21 - 23 June, 2022. The workshop was arranged for leadership development among the students through the lectures about Knowledge, Education, Science, Technology, Islamic Finance, and Economics and Sustainable Development. Dr. M. Abdul Aziz, Director General of Bangladesh Institute of Islamic Thoughts (BIIT) inaugurated the workshop at the Distance Learning Theatre of IUT Library. Hon'ble Vice-Chancellor Prof. Dr. Mohammad Rafiqul Islam congratulated BIIT and BTM Department for successfully organizing a fruitful workshop.



Participants of the Workshop Organized by BTM Department

CEE Department

LECTURE SERIES

The CEE department organized a "Civil Engineering Lecture Series" session on 10 January 2023. The honorable Vice-Chancellor Prof. Dr. Mohammad Rafiqul Islam and the CEE head of the department Prof. Dr. Hossain Md. Shahin were present. The session primarily focused on the CEE final-year students. The speaker was Mr. Rashidul Haque from the Arizona Department of Transportation (ADOT), USA (focus topic: Transportation).

SEMINAR

ACI IUT Student Chapter organized a seminar on Building Information Modelling (BIM) on 11 November 2022 at IUT Auditorium with the goal of promoting awareness and understanding of BIM. The keynote speaker was Anujindal, a Project Management Expert with 25+ years of competence, currently engaged in the construction project of Pinnacle, a high-rise commercial tower in Dhaka.



SHORT COURSE

Department of Civil and Environmental Engineering (CEE) of IUT successfully organized a 3-day short course on 'Waste-to-Energy Technologies for Sustainable Municipal Solid Waste Management', held on 29 June - 01 July 2022. Total 31 participants from different professional backgrounds attended the short course. Prof. Dr. Muhammed Alamgir (Member, University Grants Commission) graced the inauguration ceremony as the chief guest. A total of 10 sessions were held on different Waste-to-Energy technologies in the three days. Bangladeshi and foreign experts from Malaysia, Brunei, Japan and the United Kingdom were the resource persons of the short course. The course was conducted in a hybrid mode. The participants received their course certificates in a grand closing ceremony held at the IUT auditorium. The ceremony was helmed by Her Excellency Haznah Md. Hashim, High Commissioner of Malaysia to the People's Republic of Bangladesh. Her Excellency handed over a cheque against the mandatory contribution of the Malaysian Government to the budget of IUT for the financial year 2022 during the visits.



H. E. Haznah Md. Hashim, High Commissioner of Malaysia in Bangladesh Speaking at the CEE organized short course

EEE Department

SHORT COURSE

Department of Electrical and Electronic Engineering (EEE) organized a four-day-long short course titled "Next-generation Cellular Communications: 5G and its Transition to 6G" during 27-30 June, 2022. The short course was attended by professionals from industry and academia. Apart from faculty members of the University, resource persons with versatile experiences were drawn from the industry including those from Nokia, Ericsson, Huawei, Grameenphone and Robi etc. Brigadier General Md. Nasim Parvez, Director General (System & Services) at Bangladesh Telecommunication Regulatory Commission (BTRC), attended the certificate awarding ceremony of the short course as the Chief Guest. Hon'ble VC, Pro-VC, Deans, Heads of department, office, centre, and institute were also

present in the ceremony, among others. The short course was coordinated by Dr. Nafiz Imtiaz Bin Hamid, Assistant Professor, EEE Department, IUT.



EEE Department of IUT Organized Short Course

CSE Department

SEMINARS

IUT Computer Society (CS) organized a seminar on "Test Case Prioritization in DevOps using Machine Learning" on January 11, 2023. Dr. Akramul Azim, Associate Professor, Software Engineering, Ontario Tech University, was the chief guest of the event. About 300 people were present in the seminar.

CSE Department also organized a seminar on "Key Skills for Professional Careers Abroad" on January 18, 2023. Mr. Arman from IUT CIT-99, Presales Solution Architect, Optus, Australia, was the speaker of the event. About 250 people attended the seminar.



Seminar on "Key Skills for Professional Careers Abroad"

SHORT COURSE

Department of Computer Science and Engineering (CSE) organized a 3-day long short course on "Cyber Security for Information Age: Practices and Challenges" during 22 to 24 July 2022. H.E. Essa bin Yousef Al Duhailan, Ambassador of Royal Embassy of Saudi Arabia in Dhaka, inaugurated the short course. Vice Chancellor Prof. Dr. M. Rafiqul Islam and Pro-Vice Chancellor Dr. Omar Jah were also present in the inauguration ceremony. The Ambassador wished that IUT will continue such endeavours in the dissemination of knowledge and skills in the near future. Among the



resource persons of the short course were industry experts from BGD e-GOV CIRT, Beetles Cyber Security Limited, OWASP Bangladesh, NUIX Australia, and also professors from United International University (UIU) and IUT. The short course also included a one-day field visit to Military Institute of Science and Technology (MIST) Cyber Range, a state-of-the-art cyber security simulation facility. 35 participants from different universities and institutions, including the Director of IIT, Dhaka University (DU) attended the short course.



H. E. Essa bin Yousef Al Dhailan, Ambassador of Saudi Arabia in Bangladesh Speaking at the CSE organized short course

TVE Department

SHORT COURSE

H. E. Abdulla Ali AlHmoudi, Ambassador- Designate of United Arab Emirates to Bangladesh, attended as Chief Guest of the Opening Ceremony of "Centre for Arabiccourse" organised by the Department of TVE on 21 July 2022 on the campus of the University at Board Bazar, Gazipur. The participants were warmly received by Professor Dr. Mohammad Rafiqul Islam, Vice-Chancellor, Dr. Omar Jah. Pro Vice Chancellor, Deans, Heads of department, and office and staff members. During His Excellency's visit, he inaugurated the center for Arabic Language and Islamic Studies (CALIS) Lab. The CALIS Lab was funded by the Government of the UAE. The Vice Chancellor of IUT expressed his deep gratitude to the Government of the UAE for their continued cooperation and support to the University since its establishment. Total 32 participants were selected for this program which was



H. E. Abdulla Ali AlHmoudi, Ambassador of UAE in Bangladesh

conducted for eight weeks. Prof. Dr. Md. Shahadat Hossain Khan coordinated this program.



TVE Department of IUT Organized Arabic Language Course

MEMORANDUM OF UNDERSTANDINGS (MOUs)

MoU signed between IUT and IUIU, Uganda

To explore the possibility of cooperation and collaboration in a wide array of areas including in joint research, faculty and student exchange, and academic programme development, IUT signed a Memorandum of Understandings (MoUs) with Islamic University in Uganda (IUIU), Uganda on 12 June 2022.

MoU signed between IUT and GP, Bangladesh

A memorandum of understanding between Grameenphone (GP) and Islamic University of Technology (IUT) was signed on March 22, 2023. It is expected that the MoU will strengthen the collaboration between the two organisations representing both industry and academia. This MoU will enable a wide range of opportunities for Research and Development (R&D) jointly conducted by both the organisations and generate innovations in the field of Engineering and Technology and bridge the gap between industry and academia. The main scopes of the MoU includes joint research and educational development, exchange of scholars and information, and capacity building through training and short courses.

MoU signed between IUT and NBTE, Nigeria

A Memorandum of Understanding (MoU) was signed between the Islamic University of Technology (IUT) Bangladesh and the National Board for Technical Education (NBTE), Nigeria, on 13 February 2023. This MoU will begin a new journey with cooperation in different areas like demand-based training on TVET, joint research activities



based on experimental and simulation as well as promoting research publications, thesis supervision at the graduate level, academic staff exchange programme, exchange of management staff, TVET curriculum development, organization of seminars, workshops, webinars, and short courses, etc.



MoU signing ceremony between IUT, Bangladesh and NBTE, Nigeria

TECHNICAL FEST

BEYOND THE METRICS 2023

The BTM Department of IUT launched the first festival 'Beyond the Metrics' - a flagship event that took place on 22nd March 2023 at the IUT campus. Beyond The Metrics 2023 aimed to provide a platform for young minds to present their creative ideas in front of the entire nation in a competitive way. To bring together all associated persons in the sector, the festival encouraged business and technological activities, igniting interest among all Bangladeshi students and professionals. The Chief Patron of the event was Prof. Dr. M. Rafiqul Islam, Vice Chancellor of IUT. Prof. Dr. M. Anwar Hossain, Former Vice Chancellor of IUT graced the ceremony as Chief Guest, and H.E. Mr. Mohanad Al Darraji, Charge d'Affaires (CDA), Embassy of the Republic of Iraq graced the ceremony as Special Guest. The event had an attractive schedule and a theme of 'Leveling Up Business and Technology for Transcending the Barriers,' enticing business enthusiasts' excitement nationwide. The festival is designed to provide a platform for students and professionals to showcase their creativity and innovation and compete against one another in various fields such as business, entrepreneurship, and technology. This festival offered six signature events tailored towards business and technology enthusiasts from all around Bangladesh, including top colleges, schools and universities. Beyond The Metrics 2023 created an excellent opportunity for students and professionals from every corner of the country to connect with like-minded individuals, explore new ideas, and compete against each other.



BEYOND THE METRICS 2023

CENNOVATION 2023

CENNOVATION, organized by the Department of CEE aims to unite engineering students to share innovative ideas in the fields of Civil, Environment and Architecture. Since 2020, organizing this national event has been at halt due to the unprecedented consequences of the Global Pandemic. So after a long break, this 10th of March, 2023, the CENNOVATION marked the return of academic events at IUT for the 8th time, providing a much-awaited platform for students. This year, the event received overwhelming support from participants across the country, with more than 600 students from 23 different universities joining a total of 11 contests namely Mechanics Olympiad, Seismic Challenge, Poster Presentation, Game of Truss, Perspective Illustration, Cenko Biz, Drafting Contest, Buzzer master, Photography and Cinematography contests related to different aspects of environment, and a newly launched memory game contest named Cennomaestro. The inauguration ceremony was graced by the esteemed presence and motivating speech of Prof. Dr. Shamim Z. Bosunia, Ex-President of the Institution of Engineers, Bangladesh, as the Chief Guest. The event's chief patron, the honorable Vice Chancellor Prof. Dr. Mohammad Rafiqul Islam, the patron Pro Vice Chancellor Dr. Omar Jah, the Head of CEE Prof. Dr. Hossain Md. Shahin, and Prof. Dr. Shakil Mohammad Rifaat also delivered their valuable speeches to motivate and inspire the students.



Inauguration ceremony of Cennovation 2023



STUDENT ACTIVITIES / ACHIEVEMENTS

The World Bank (WB) to commemorate its 50-year-long partnership with Bangladesh launched a youth competition titled 'Ideabuzz Championship' for university students for innovative solutions to address the threat of climate change. Team CO₂ Killers (Sumaieta Tasnim, Md. Ehsanul Haque, Irina Anjum Pranti) from IUT became Champions. The prize-giving ceremony was held on October 31, 2022. Chief Guest Planning Minister, H. E. M. A. Mannan MP along with Dandan Chen, WB Acting Country Director for Bangladesh and Bhutan, John Roome, South Asia Regional Director for the WB's Sustainable Development Practice handed over the awards to the winners. Team CO₂ Killers was invited to present their innovative ideas on climate change at the WB headquarters in Washington DC in honor of the 50th anniversary of Bangladesh and the World Bank on 01 May 2023. Hon'ble Prime Minister of Bangladesh H.E. Sheikh Hasina attended a programme in WB headquarters at the invitation of WB President David Malpass marking the 50-year partnership between Bangladesh and the global lender, where Her Excellency met and listen the ideas from Team CO₂ Killers of IUT.



The IdeaBuzz Champion IUT Team CO₂ Killers



Prime Minister H.E. Sheikh Hasina with IUT Team CO₂ Killers in WB headquarters

IUT GENESIS has managed to snatch a blazing victory in Flaghunt 2022, the first ever onsite CTF tournament organized by RIoT Centre IUB. IUT GENESIS secured their victory by putting up a formidable fight against

bearing names of prestigious institutions. With this achievement, followed by the victory in the University Cyberdrill 2022 on 24 October, IUT has acclimated the field of Cybersecurity tournaments in Bangladesh. Team members of IUT GENESIS are Imtiaj Sreejon, Shantanu Rahman (EEE '19), Sumit Alam Khan (CSE '19), Kafi Rifat (CSE'19).



IUT Team GENESIS

All nine prizes in three segments of the GP X Cisco 4IR challenge 2023 were snatched by students of IUT. Iftekharul Haque Shuvro (SWE'20) became a champion in Cybersecurity and IoT segments, and Wasif Uddin (CSE'21) in Python. Other prize winners were Md Sajid Altaf (CSE'18), Ahsanul Amin Anik (CSE'21), Nafew Sadat (EEE'19), and Md. Safin Mahmood Shomyo (EEE'19). The competition was organized by Grameenphone Academy.



GP X Cisco 4IR challenge 2023

Formula IUT, IUT Racing team have secured 3rd Position in Class I of Formula Bharat 2023. Formula Bharat is an Indian Formula Student-style engineering design competition where teams compete with a life-size formula-style vehicle in the areas of engineering design, overall cost, marketability and dynamic performance. Formula IUT was the only team from Bangladesh to participate in the Class I category of Formula Bharat 2023.



Formula IUT



Team EV CHARGESHARE

"EV CHARGESHARE" team, finished in the top three of the SDG7 competition at the International Blockchain Olympiad (IBCOL). A bronze medal was also awarded to them. Each year, people from all over the world participate in the International Blockchain Olympiad, a tournament aimed at getting them to apply blockchain technology to real-world problems.

Mozidun Nahar Lorin, Haque Munmun. and Chowdhury Sakif Ahabab, three second year CEE students became the Champion team in the Concrete solutions competition arranged by ACI IUT.

Chowdhury Sakif Ahabab (CEE'19) has become SPARKS Unilever Campus Ambassador where he linked Unilever and IUT to conduct various insightful sessions and working opportunities.

Fawaz Bukht Majmader and Mostofa Jahid Saif finished third in the Robotronics 2.0 competition, which was organized by the Mechatronics Engineering (MTE) Department of Rajshahi University of Engineering and Technology (RUET).

Team IUT Pixel consisting of MD Sabbir Rahman (SWE'18), Jaber Hossain Pranto (SWE'18), Ibtid Rahman (SWE'18), and Kazi Jarif (SWE'20), became the Champion of Orbitax SUST SWE Technovent Brain Station 23 Hackathon.



Team IUT Pixel

Traction 2.0 - An intra IUT CAD Competition organized by IUT CAD Society, sponsored by Puzzlefun World and Gyre Engineering took place on IUT campus at 19th March 2023. The competition comprised of 3 segments namely SolidWorks, AutoCAD and Project Design. Around 80 participants from different Departments of IUT actively took part in the competition of becoming the Champions of CAD in IUT.

Mohammad Ashraful Haque, Md Sabbir Rahman, Ahnaf Daiyan, Wasifa Rahman Rashmi, S.M Mehedi Zaman, Md. Monir Uddin Ananda, and Tanzila Arafin are the members of Team Avijatrik, participated in the European Rover Challenge 2022. Team Avijatrik placed 11th (Remote Edition) and 18th (On Site Edition) out of 92 teams worldwide. The competition was combinedly organized by European Space Agency, European Space Foundation, and Polish Space Agency.



Team Avijatrik

Maisha Maliha Morshed, a student of the BTM 18th Batch, has been selected as a country representative of Youth Leaders and has been invited to The Asia Pacific Leaders Summit (APLS) 2022, held in Siem Reap, Cambodia.

M. Abrar Faiyaz Rabbi from Industrial and Production Engineering achieved first place in MindSparks 22 (Segment: Photography).



M. Abrar Faiyaz Rabbi in MindSparks 22

MPE Department student, Asif Iqbal Turja, Fawaz Bukht Majmader, and Mostofa Saif, who won the Design Challenge segment of MIST Einthoven Club present Anuronon'22, organized by Military Institute of Science and Technology.

Fawaz Bukht Majmader, Mostofa Jahid Saif, and Sifat Abdul Bari, three exceptional and outstanding students from the Mechanical and Production Engineering Department. Their team won the Ahsanullah University of Science and Technology's MindSparks 22 (Segment: Techno CAD).



MPE team in Anuronon'22



MPE team in MindSparks 22



Sumaya Afsana in Grameenphone Skitto Hackathon 2022

BTM department Batch 19 students' team Tanjim Istiaque Chowdhury, Md. Moin Khan, Jawadul Islam Naveed, and Nazmus Sakib Rumman secured the runners-up position in the business case competition segment of an Inter-University and College Tech-Biz Competition, Mindsparks'22, powered by Walton.

Sumaya Afsana, a student of the BTM Batch 18, along with her team, became the 1st Runner-Up in Grameenphone Skitto Hackathon 2022. Skitto Hackathon is a platform for students with diverse skill sets to solve techno-commercial problems.



BTM team in Mindsparks'22

Chowdhury Sakif Ahabab, Jafrin Rahman Nahin and Ihfaz Hassan (CEE'19) represented IUT and Bangladesh at the international stage of HULT PRIZE Regional Summit in Islamabad, Pakistan.

'IUT_Songsoptok' (3rd) and 'IUT_CodeByters' (10th) secured positions within the top ten teams in the 'SEC Inter University Junior Programming Contest, 2022'. The contest was hosted by Department of CSE, Sylhet Engineering College where the teams came from all universities of Bangladesh.

Tawsif Zaman, Ekra Binta Noor and Ishtiaq Ahmed from MPE'18 won in FinTech Category under student category among 50 finalists and 250 teams all over Bangladesh at Blockchain Olympiad Bangladesh 2022 held on 6th-8th June 2022 at KIBC Dhaka.



IUT Team Songsoptok



IUT Team Turbo

Tasnia Islam Rifa, Assistant Joint Secretary ASME IUT SS, recently received the prestigious "ASME Foundation Variable Scholarship 2022." for the forthcoming year 2022–2023.

Team TURBO from MPE'20 Maysha Anan, Nabila Islam Khan, Md. Safayet Samir, and Fardin Hasnine Choudhury finished 3rd in the CBS Intern 2022 competition, which was organized by the Islamic University of Technology's Career and Business Society.

Sumaiya Tasnim Adiba of the EEE Department became the Champion in Ennovators 6.0 Competition, which was organized by Banglalink Digital Ltd.



Sumaiya Tasnim Adiba receiving the award in Ennovators 6.0

Chowdhury Sakif Ahabab (CEE'19) became SPARKS Unilever Campus Ambassador where he linked Unilever and IUT to conduct various insightful sessions and working opportunities.

Chowdhury Sakif Ahabab, Ihfaz Hassan, and Jafrin Rahman Nahin of the CEE Department became the Champion in Marico Over the Wall Bangladesh Competition, which was organized by Marico, Bangladesh.



IUT Team in the "Marico Over the Wall"

Sami-Ul Haque Showviq of CSE Department was awarded Silver Honour and Bronze Honour in the International Astronomy and Astrophysics Competition 2022, and International Youth Math Challenge 2022 respectively, which was organized by International Astronomy and Astrophysics Association.



Sami-Ul Haque Showviq in the International Astronomy and Astrophysics Competition 2022, and International Youth Math Challenge 2022

Sumaieta Tasnim of EEE Department became the Champion of Solve-A-Thon 2022- a case-solving competition on Renewable Energy, which was organized by The World Bank Group, Devtale Partners & WePower Network.



Sumaieta Tasnim receiving award of Solve-A-Thon

GAMES AND SPORTS

The 31st Annual Athletic Competition - 2023



Inauguration of the 31st Annual Athletic Competition 2023.

The 31st Annual Athletic Competition 2023 was held on Friday, 10 February 2023. H.E. Mr. Md. Zahid Ahsan Russel MP, Hon'ble State Minister, Ministry of Youth and Sports, Government of the People's Republic of Bangladesh, inaugurated the program as a Chief Guest. H. E. Mr. Haji Haris bin Haji Othman, High Commissioner, High Commission of the Brunei Darussalam in Bangladesh, attended the program as the Guest of Honour. Prof. Dr. Mohammad Rafiqul Islam, Vice Chancellor, and Dr. Omar Jah, Pro-Vice Chancellor of the University, also attended the Annual Athletic Competition. Prof. Dr. Md. Abu Raihan, Chairman, Games and Sports Committee, distinguished guests from diplomatic missions based in Dhaka and other invited guests, Heads of the different Departments, Office, Centre, Faculty members, Staff members and Students were present and enjoyed the day-long program. There were 20 events (Male & Female) on the day of competition, e.g., 100m, 200m, and 400m sprint, High jump, Shot put, Long Jump (Running Broad Jump), etc. There were separate events for distinguished guests, IUT staff members, Children of the employees, and Cafeteria & Dormitory Staff members. H. E. Hon'ble Chief Guest, Guest of Honour, Vice Chancellor and Pro Vice Chancellor of IUT, distributed the prizes among the winners.



Hurdle Race event of the 31st Annual Athletic Competition



Prize distribution of the 31st Annual Athletic Competition



Inter Departmental Cricket Competition 2023 Champion CEE department

Games and Sports Competition-2022-2023

Inter Department Volleyball Competition-2022

Inter Departmental Volleyball Competition 2022 was held on 14 November 2022. CSE department became Champion and EEE department became Runner-Up.

Inter Department Basketball Competition-2022

Inter Departmental Basketball Competition 2022 was held on 18 October 2022. MPE department became Champion and CSE department became Runner-Up.

Inter Department Cricket Competition-2023

Inter Departmental Cricket Competition 2023 was held on 7 March 2023. CEE department became Champion and CSE department became Runner-Up.

Annual Badminton (Male) Competition 2023

Annual Badminton (Single) Competition was held on 27th January 2023. The Champion was Bayzid Mohammad Sakib (St. No. 210021250) and the Runner-Up was Abrar Mubeen (St. No. 210042128).

Annul Badminton (Double)

Annul Badminton (Double) competition was held on 15th February 2023, the Champions were Kamrul Hasan (St. No. 190061114 and Abrar Mubeen (St No. 210042128), and the Runner-Ups were Sakif Ahabab (St. No. 190041212) and Shahriar Mahmud (St. No. 190041118).

Annual Badminton (Female) Competition 2023

Annual Badminton (Single) Competition was held on 11th February 2023, the Champion was Tanzila Zannat mahzabeen (St. No. 180051135) and the Runner-Up was Chowdhury Sadeeya Naimah (St. No. 180021219).

Annul Badminton (Double)

Annul Badminton (Double) competition was held on 27th February 2023, the Champions were Tanzila Zannat Mahzabeen (St. No. 180051135) and Sumaieta Tasnim (St No. 180021101), and the Runner-Ups were Sheza Aini

Mumu (St. No. 180021332) and Chowdhury Sadeeya Naimah (St. No. 180021219).

Annual Draught (Male) Competition 2022

Annual Draught (Male) Competition was held on 20th September 2022, the Champion was Idriss Muhammad Farash Berinyuy (St. No. 200041161) and the Runner-Up was Ashrar Al Washi (St. No. 180051208).

Annual Scrabble (Male) Competition 2022

Annual Scrabble (Male) Competition was held on 29th September 2022, the Champion was Jamal Uddin (St. No. 190021139) and the Runner-Up was Tanzim Rashid (St. No. 180051203).

Annual Carom (Male) Competition 2022

Annual Carom (Single) Competition was held on 3rd September 2022, the Champion was Md. Shah Alam (St. No. 210031104) and the Runner-Up was Abdullah Al Mamun (St. No. 210031101).

Annul Carom (Double) 2022

Annul Carom (Double) competition was held on 17th September 2022, the Champions were Ashrar Al Washi (St. No. 180051208) and Ashik Faysal Himel (St No. 180051230) and the Runner-Ups were Md. Jawad Rahman Choudhury (St. No. 190012121) and Md. Hasin Al Muhib (St. No. 190012138).

Annual Carom (Female) Competition 2022

Annual Carom (Single) Competition was held on 3rd September 2022, the Champion was Ramisha Raida Karim (St. No. 180021210) and the Runner-Up was Topy Khatun (St. No. 210031201).

Annul Carom (Double)

Annul Carom (Double) competition was held on 16th September 2019, the Champion were Maisha Mumtaz Rahman (St. No. 180021206) and Ramisha Raida Karim (St No. 180021210), and the Runner-Ups were Tanzim Hossain Anchal (St. No. 180051243) and Afia Nawar (St. No. 180051141).



Annual Table Tennis (Male) Competition 2022

Annual Table Tennis (Male) Competition was held on 16th September 2022, the Champion were Mohammad Ittehad Rahman Sami (St. No. 200042131) and Adham Arik Rahman (St. No. 180041219), and the Runner-Up were Njutapmvoui Mvah Mohamed Omar (St. No. 190021147) and Kasmal Harir Abdulle (St. No. 211011002).

Annual Table Tennis (Female) Competition 2022

Annual Table Tennis (Female) Competition was held on 26 September 2022, the Champion was Irina Anjum Pranti (St. No. 180021137) and the Runner-Up was Fariha Fairoz (St. No.180041214).

Table Tennis (Double)

Table Tennis (Double) competition was held on 16 September 2022, the Champion were Sumaieta Tasnim (St. No. 180021101) and Irina Anjum Pranti (St. No. 180021137), and the Runner-Up were Fariha Fairoz (St. No. 180041214) and Tanzila Zannat Mahzabeen (St. No. 180051135).

FACULTY NEWS

Prof. Dr. Md. Tarek Uddin, Head, AQA delivered a lecture on Complex Engineering Problems (CEP) in Civil Engineering at the University of Asia Pacific (UAP) on June 28, 2022.

Prof. Dr. Md. Abu Raihan, Department of TVE holds the position as member of the Academic Council of the Bangladesh Open University (BOU) upon approval given by the President of the People's Republic of Bangladesh, the Chancellor of the BOU on 17 May 2022.

Prof. Dr. Md. Shahadat Hossain Khan was invited as an TVET Expert to participate in a meeting for deciding syllabus of 16 Trades (Courses) for including National Curriculum as a part of NTVQF, which was organized by the National Curriculum Coordination Committee (NCCC) on 29 March 2022, at the Bangladesh Secretariat, Dhaka, Bangladesh.

Prof. Dr. Md. Shahadat Hossain Khan presented a paper, "Associations between TAFE teachers' conceptions of, and approaches to, ICT-enhanced teaching and their conceptions of ICT use in the workplace", SEFI 50th Annual Conference Universitat Politècnica de Catalunya Barcelona Tech (UPC) 19 –22 September 2022.

Prof. Dr. Md. Shahadat Hossain Khan worked as a Member of Expert Subcommittee, for developing University Teacher's Training Module, University Grants Commission (UGC), Bangladesh.

Prof. Dr. Md. Shahadat Hossain Khan and Ms. Selina Akhter awarded Alumni Support Grant on Empowering women and people with disabilities through skills training on computer graphics design (CGD) during COVID-19 Pandemic. Value: \$5000 (Australian Dollar)

Prof. Dr. Md. Shahadat Hossain Khan joined as Head, Department of Technical and Vocational Education (TVE), IUT.

Prof. Dr. Shakil Mohammad Rifaat joined as Chief of Establishment (In-charge), IUT.

Prof. Dr. Md. Taslim Reza joined as Head, Planning and Development Office, IUT

FACULTY PUBLICATIONS

- Abid, M. S., Apon, H. J., Ahmed, A., & Morshed, K. A. (2022). Chaotic slime mould optimization algorithm for optimal load-shedding in distribution system. *Ain Shams Engineering Journal*, 13(4).
- Abid, M. S., Apon, H. J., Alavi, A., Hossain, M. A., & Abid, F. (2023). Mitigating the Effect of Electric Vehicle integration in Distribution Grid using Slime Mould Algorithm. *Alexandria Engineering Journal*, 64, 785–800.
- Ahmed, S., Hasan, M. B., Ahmed, T., Sony, M. R. K., & Kabir, M. H. (2022). Less is More: Lighter and Faster Deep Neural Architecture for Tomato Leaf Disease Classification. *IEEE Access*, 10, 68868–68884.
- Ahmed, S., Uddin, M. S., Feroz, S. I., Alam, M. R. Bin, Farabi, F. A., Uddin, M. M., & Rifaat, S. M. (2023). Tendency of intra-city bus drivers to use cell phone while driving using ordered probit model. *AIP Conference Proceedings*, 030007.
- Ahmed, T., Ivan, S., Kabir, M., Mahmud, H., & Hasan, K. (2022). Performance analysis of transformer-based architectures and their ensembles to detect trait-based cyberbullying. *Social Network Analysis and Mining*, 12(1).
- Akhter, T., & Azad, A. K. (2023). Religiosity and bank earnings management: Revisiting international evidence. *China Journal of Accounting Research*, 100290.
- Al-athwari, B., & Hossain, M. A. (2022). IoT Architecture: Challenges and Open Research Issues. In *Proceedings of 2nd International Conference on Smart Computing and Cyber Security* (pp. 408–419).
- Al-Monsur, A., Kabir, M. R., Ar-Rafi, A. M., Nishat, M. M., & Faisal, F. (2022). Covid-EnsembleNet: An Ensemble Based Approach for Detecting Covid-19 by utilising Chest X-ray Images. *2022 IEEE World AI IoT Congress (AllIoT)*, 351–356.



- Al Mamun, M. A., Azad, M. A. K., Al Mamun, M. A., & Boyle, M. (2022). Review of flipped learning in engineering education: Scientific mapping and research horizon. *Education and Information Technologies*, 27(1), 1261–1286.
- Sha'aban, Y. A., & Boucekara, H. R. E. H. (2022). Livestock Management With Unmanned Aerial Vehicles: A Review. *IEEE Access*, 10, 45001–45028.
- Ashikur Rahman, A. B. M., Hasan, M. B., Ahmed, S., Ahmed, T., Ashmafee, M. H., Kabir, M. R., & Kabir, M. H. (2022). Two Decades of Bengali Handwritten Digit Recognition: A Survey. *IEEE Access*, 10, 92597–92632.
- Azad, A. K., Islam, N. M. M., Mithun, C. N., Rifa, T. I., Hasan, M. J., Hossain, R., & Rahman, M. M. (2022). Numerical study on heat and mass transfer characteristics in a confined enclosure with variable buoyancy ratio. *Results in Engineering*, 15.
- Azad, A. K., & Parvin, S. (2022). Bibliometric analysis of photovoltaic thermal (PV/T) system: From citation mapping to research agenda. *Energy Reports*, 8, 2699–2711.
- Azad, M. A. K., Rumman, N. S., Connolly, R., Wanke, P., & Mumu, J. R. (2022). Towards an improved understanding of the antecedents of digital health service loyalty during a pandemic: An fsQCA approach. *Socio-Economic Planning Sciences*, 84.
- Chowdhury, T. I., Hoque, M. R., Wanke, P., Raihan, M. Z., & Azad, M. A. K. (2022). Antecedents of Perceived Service Quality of Online Education During a Pandemic: Configuration Analysis Based on Fuzzy-Set Qualitative Comparative Analysis. *Evaluation Review*, 46(3), 235–265.
- Chowdhury, T., Rifaat, S. M., & Tay, R. (2022). Characteristics of Pedestrians in Bangladesh Who Did Not Receive Public Education on Road Safety. *Sustainability*, 14(16), 9909.
- Eisham, Z. K., Haque, M. M., Rahman, M. S., Nishat, M. M., Faisal, F., & Islam, M. R. (2022). Chimp optimization algorithm in multilevel image thresholding and image clustering. *Evolving Systems*.
- Emran, N. Y. Y., Ahsan, A., Al-Qadami, E. H. H., El-Sergany, M. M., Shafiquzzaman, M., Imteaz, M., Ng, A. W., Tariq, M. A. U. R., Idrus, S., Mustaffa, Z., & Teo, F. Y. (2022). Efficiency of a triangular solar still integrated with external PVC pipe solar heater and internal separated condenser. *Sustainable Energy Technologies and Assessments*, 52, 102258.
- Fahadi, M., & Khan, M. S. H. (2022). Technology-enhanced Teaching in Engineering Education: Teachers' Knowledge Construction Using TPACK Framework. *International Journal of Instruction*, 15(2), 519–542.
- Habib, M. A., Rizvan, R., & Ahmed, S. (2023). Implementing lean manufacturing for improvement of operational performance in a labeling and packaging plant: A case study in Bangladesh. *Results in Engineering*, 17, 100818.
- Hasan, M. J., Ahmed, S. F., & Bhuiyan, A. A. (2022). Geometrical and coil revolution effects on the performance enhancement of a helical heat exchanger using nanofluids. *Case Studies in Thermal Engineering*, 35.
- Hasan, M. J., Azad, A. K., Islam, Z., Hossain, R., & Rahman, M. M. (2022). Periodic Unsteady Natural Convection on CNT Nano-powder Liquid in a Triangular Shaped Mechanical Chamber. *International Journal of Thermofluids*, 15, 100181.
- Hasan, M. J., & Bhuiyan, A. A. (2022). Investigation of thermal performance and entropy generation in a helical heat exchanger with multiple rib profiles using Al₂O₃-water nanofluid. *Case Studies in Thermal Engineering*, 40.
- Hasan, M. J., Tawkir, K., & Bhuiyan, A. A. (2022). Improvement of an exhaust gas recirculation cooler using discrete ribbed and perforated louvered strip vortex generator. *International Journal of Thermofluids*, 13.
- Hasan, T., Bin Karim, M. F., Mahadi, M. K., Nishat, M. M., & Faisal, F. (2022). Employment of Ensemble Machine Learning Methods for Human Activity Recognition. *Journal of Healthcare Engineering*, 2022.
- Hossain, F., Karim, M. R., & Bhuiyan, A. A. (2022). A review on recent advancements of the usage of nano fluid in hybrid photovoltaic/thermal (PV/T) solar systems. *Renewable Energy*, 188, 114–131.
- Hossain, M. A., Hussain, I., Al-Athwari, B., & Dahit, S. (2022). Network Traffic Anomalies Detection Using Machine Learning Algorithm: A Performance Study. In *Proceedings of 2nd International Conference on Smart Computing and Cyber Security* (pp. 274–282).
- Hossain, M. A., Hwang, S., & Kim, J.-S. (2022). Resource Profiling and Performance Modeling for Distributed Scientific Computing Environments. *Applied Sciences*, 12(9), 4797.
- Hossain, M. M., Shahriar, T., Habib, M. A., Hasanuzzaman, M., & Inan, M. N. (2022). Techno-economic and environment assessment of landfill and sewage treatment plant-based combined power generation system: a case study for Dhaka. *Biomass Conversion and Biorefinery*.
- Hossain, M. S., Shajid, S., & Karim, M. R. (2021). Numerical investigation to assess the techno-economic feasibility of solar central receiver system for off-grid power in Saint Martin's Island, Bangladesh. *Energy for Sustainable Development*, 65, 63–76.
- Hossain, R., Hasan, M. J., Azad, A. K., & Rahman, M. M. (2022). Numerical study of low Reynolds number effect on MHD mixed convection using CNT-oil nanofluid with radiation. *Results in Engineering*, 14, 100446.



- Hossen, M. D., Islam, M. F., Ishraque, M. F., Shezan, S. A., & Arifuzzaman, S. M. (2022). Design and Implementation of a Hybrid Solar-Wind-Biomass Renewable Energy System considering Meteorological Conditions with the Power System Performances. *International Journal of Photoenergy*, 2022, 1–17.
- Hussain, I., Hossain, M. A., Jany, R., Bari, M. A., Uddin, M., Kamal, A. R. M., Ku, Y., & Kim, J.-S. (2022). Quantitative Evaluation of EEG-Biomarkers for Prediction of Sleep Stages. *Sensors*, 22(8), 3079.
- Hussain, I., Park, S. J., & Hossain, M. A. (2022). Cloud-Based Clinical Physiological Monitoring System for Disease Prediction. In *Proceedings of 2nd International Conference on Smart Computing and Cyber Security* (pp. 268–273).
- Ibrahim, K. B. M., Haque, T., Tanim, M. F., Raihan, M. A., & Hossain, M. (2022). Assessing travelers' characteristics and trip information influencing the boarding and alighting experience at bus stops in a developing urban city: a simultaneous bivariate ordered probit approach. *Case Studies on Transport Policy*, 10(3), 1804–1815.
- Imteaz, M. A., Bayatvarkeshi, M., & Ahsan, A. (2022). Modelling Metribuzin Removal Efficiency Through Adsorption Using Activated Carbon of Olive-waste Cake. *Water, Air, & Soil Pollution*, 233(4), 115.
- Imteaz, M. A., Hossain, A. B. M. S., & Ahsan, A. (2022). Data-driven modelling of bioethanol fuel production from rambutan fruit waste. *Proceedings of the Institution of Civil Engineers - Waste and Resource Management*, 1–7.
- Islam, M. R., Hasan, K. R., Khan, M. M. I., Iftekher, A. N. M., Mehjabin, F., Nayen, M. J., Chowdhury, J. A., Islam, S. Bin, & Islam, M. (2022). Design of a Dual Cluster and Dual Array-Based PCF-SPR Biosensor with Ultra-high WS and FOM. *Plasmonics*, 17(3), 1171–1182.
- Islam, M. R., Iftekher, A. N. M., Noor, F., Khan, M. R. H., Reza, M. T., & Nishat, M. M. (2022). AZO-coated plasmonic PCF nanosensor for blood constituent detection in near-infrared and visible spectrum. *Applied Physics A: Materials Science and Processing*, 128(1), 86.
- Islam, M. R., Khan, M. M. I., Al Rafid, R., Mehjabin, F., Rashid, M. S., Chowdhury, J. A., Zerín, N., & Islam, M. (2022). Trigonal cluster-based ultra-sensitive surface plasmon resonance sensor for multipurpose sensing. *Sensing and Bio-Sensing Research*, 100477.
- Islam, M. S., Hussain, I., Rahman, M. M., Park, S. J., & Hossain, M. A. (2022). Explainable Artificial Intelligence Model for Stroke Prediction Using EEG Signal. *Sensors*, 22(24).
- Islam, M., Tabassum, M., Nishat, M. M., Faisal, F., & Hasan, M. S. (2022). Real-Time Clinical Gait Analysis and Foot Anomalies Detection Using Pressure Sensors and Convolutional Neural Network. *2022 7th International Conference on Business and Industrial Research (ICBIR)*, 717–722.
- Islam, Z., Azad, A. K., Hasan, M. J., Hossain, R., & Rahman, M. M. (2022). Unsteady periodic natural convection in a triangular enclosure heated sinusoidally from the bottom using CNT-water nanofluid. *Results in Engineering*, 14, 100376.
- Kabir, M., Ahmed, T., Hasan, M. B., Laskar, M. T. R., Joarder, T. K., Mahmud, H., & Hasan, K. (2023). DEPTWEET: A typology for social media texts to detect depression severities. *Computers in Human Behavior*, 139, 107503.
- Kabir, M. R., Abedin, M. I., Ahmed, R., Mahmud, H., & Hasan, M. K. (2022). ANTASID: A Novel Temporal Adjustment to Shannon's Index of Difficulty for Quantifying the Perceived Difficulty of Uncontrolled Pointing Tasks. *IEEE Access*, 10, 21774–21786.
- Kabir, M. U., Islam, M. S., Nazrul, F. Bin, & Shahin, H. M. (2023). Comparative Stability and Behaviour Assessment of a Hill Slope on Clayey Sand Hill Tracts. *International Journal of Engineering Trends and Technology*, 71(1), 11–24.
- Karim, M. R., Dey, S. K., Islam, T., Sarker, S., Menon, M. H., Hossain, K., Hossain, M. A., & Decker, S. (2021). DeepHate-Explainer: Explainable Hate Speech Detection in Under-resourced Bengali Language. *2021 IEEE 8th International Conference on Data Science and Advanced Analytics (DSAA)*, 1–10.
- Karim, M. R., Khan, H. R. B., Ahsan, A., Rahadujjaman, M., Alam, S., Hasan, R., Sharif, T. T., & Farooq, S. (2022). Potential health hazard of drinking water in restaurants and tea stalls. *Environmental Quality Management*.
- Khan, Y., Sarowar, M. T., Mobarat, M., & Hamidur Rahman, M. (2022). Performance Comparison of a Micro-channel Heat Sink Using Different Nano-Liquid Metal Fluid Coolant: A Numerical Study. *Journal of Thermal Science and Engineering Applications*, 14(9).
- Mahmud, H., Morshed, M. M., & Hasan, M. K. (2023). Quantized depth image and skeleton-based multimodal dynamic hand gesture recognition. *Visual Computer*.
- Mamun, M. A. Al. (2022). Fostering self-regulation and engaged exploration during the learner-content interaction process: the role of scaffolding in the online inquiry-based learning environment. *Interactive Technology and Smart Education*.



- Mansur, A. Al, Islam, M. I., Kiron, M. K., Asif ul Haq, M., Maruf, M. H., Shihavuddin, A., Ashique, R. H., & Amin, M. R. (2022). Electrical experimental data collection of polycrystalline and monocrystalline photovoltaic modules in an indoor environment using artificial sun simulator. *Data in Brief*, 43, 108389.
- Miah, M. A. K., Rakib, N., Habib, M. A., Hasanuzzaman, M., & Saha, S. (2022). Techno-economic analysis and environmental impact assessment of 3 MW photovoltaic power plant in Bangladesh: a case study based on real data. *Environment, Development and Sustainability*.
- Mithun, C. N., Hasan, M. J., Azad, A. K., Hossain, R., & Rahman, M. M. (2022). Double-Diffusive Unsteady Flow in a Roof-Based Air Ventilation System with Variable Prandtl Number. *Arabian Journal for Science and Engineering*.
- Mohammed, T. U., Bin Harun, M. Z., & Joy, J. A. (2022). Effect of sand-to-aggregate volume ratio on durability of concrete. *Innovative Infrastructure Solutions*, 7(5).
- Mubarak, H. R., & Khan, M. S. H. (2022). Variations in students' conceptions of good teaching in engineering education: a phenomenographic investigation. *European Journal of Engineering Education*, 1–21.
- Muntasir Nishat, M., Faisal, F., Jahan Ratul, I., Al-Monsur, A., Ar-Rafi, A. M., Nasrullah, S. M., Reza, M. T., & Khan, M. R. H. (2022). A Comprehensive Investigation of the Performances of Different Machine Learning Classifiers with SMOTE-ENN Oversampling Technique and Hyperparameter Optimization for Imbalanced Heart Failure Dataset. *Scientific Programming*, 2022, 1–17.
- Newaz, A., Muhtadi, S., & Haq, F. S. (2022). An intelligent decision support system for the accurate diagnosis of cervical cancer. *Knowledge-Based Systems*, 245, 108634.
- Nihaj Uddin Shan, A. N. M., Zayed Mostafa, M., Hossain, A., Shadman Sakib, M., & Monjurul Ehsan, M. (2022). Thermal assessment and optimization of process fluids in transcritical organic and transcritical CO₂ Rankine cycle for waste energy recuperating system. *Energy Conversion and Management: X*, 15.
- Nishat, M. M., Faisal, F., Hasan, T., Nasrullah, S. M., Bristy, A. H., Minhajul Islam Shawon, M., & Ashraful Hoque, M. (2022). Detection of Autism Spectrum Disorder by Discriminant Analysis Algorithm. In *Proceedings of the International Conference on Big Data, IoT, and Machine Learning* (pp. 473–482).
- Novera, C. N., Ahmed, Z., Kushol, R., Wanke, P., & Azad, M. A. K. (2022). Internet of Things (IoT) in smart tourism: a literature review. *Spanish Journal of Marketing - ESIC*, 26(3), 325–344.
- Priyadarshi, S., Billah, M. M., Lim, T., Urmi, S. S., & Jang, J. (2023). Reduced Dynamic Gate Pulse Stress Instability in Dual Gate a-InGaZnO Thin Film Transistors. *IEEE Electron Device Letters*, 44(3), 428–431.
- Rahman, A. A., Siraji, M. I., Khalid, L. I., Faisal, F., Nishat, M. M., Islam, M. R., & Ibrahim moubarak, N. N. (2022). Detection of Mental State from EEG Signal Data: An Investigation with Machine Learning Classifiers. *2022 14th International Conference on Knowledge and Smart Technology (KST)*, 152–156.
- Rahman, M. A., Apon, H. J., Rabbani, M., Maruf, M. H., & Shihavuddin, A. (2022). Numerical simulation and analysis of the temporal concentration of timolol after topical administration in the human eye. *International Journal of Thermofluids*, 16, 100251.
- Rahman, R., Islam, M. R., Hasan, M. K., & Mahmud, H. (2022). A Study of Permission-based Malware Detection Using Machine Learning. *15th IEEE International Conference on Security of Information and Networks*.
- Rakib, A. K. M., Siddique, A. T. Bin, Sakib, M. S., Faruque, M. O., & Sagor, R. H. (2023). A numerical analysis of a highly sensitive hexagonal plasmonic refractive index sensor. *Optics Communications*, 530.
- Rakib, A. Al, Mredha, M. S., Miah, M. J., & Shahabuddin, M. (2022). Adsorption of hexavalent chromium from aqueous solution by jute lignin: Equilibrium, kinetics and thermodynamics studies. *1st International Conference of Physical Sciences*.
- Rakib, S. H., Masum, S., Farhana, A., Islam, M. A., Islam, M. F., & Reza, M. T. (2022). Design of a low cost Ultraviolet Disinfection unit to minimize the cross-contamination of COVID-19 in transport. *2022 International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE)*, 1–6.
- Rakibul Islam, M., Iftekher, A. N. M., Anzum, M. S., Rahman, M., & Siraz, S. (2022). LSPR Based Double Peak Double Plasmonic Layered Bent Core PCF-SPR Sensor for Ultra-Broadband Dual Peak Sensing. *IEEE Sensors Journal*, 22(6), 5628–5635.
- Ratul, I. J., Al-Monsur, A., Tabassum, B., Ar-Rafi, A. M., Nishat, M. M., & Faisal, F. (2022). Early risk prediction of cervical cancer: A machine learning approach. *2022 19th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON)*, 1–4.



- Ratul, I. J., Wani, U. H., Nishat, M. M., Al-Monsur, A., Ar-Rafi, A. M., Faisal, F., & Kabir, M. R. (2022). Survival Prediction of Children Undergoing Hematopoietic Stem Cell Transplantation Using Different Machine Learning Classifiers by Performing Chi-Square Test and Hyperparameter Optimization: A Retrospective Analysis. *Computational and Mathematical Methods in Medicine*.
- Roy, A., Hossain, M., & Muromachi, Y. (2022). A deep reinforcement learning-based intelligent intervention framework for real-time proactive road safety management. *Accident Analysis and Prevention*, 165.
- Sabab, S. A., Kabir, M. R., Hussain, S. R., Mahmud, H., Rubaiyeat, H. A., & Hasan, M. K. (2022). VIS-iTrack: Visual Intention Through Gaze Tracking Using Low-Cost Webcam. *IEEE Access*, 10, 70779–70792.
- Sadeek, S. N., Rifaat, S. M., Rahman, A., Sobhan, S. Z. A., Efat, E. R., & Anjum, M. A. (2023). A Study on Mobility Solution of Physically Challenged People from Stakeholder's Perspective. *Journal of Engineering and Technology*, 15(1), 1–7.
- Safiullah, M., Akhter, T., Saona, P., & Azad, M. A. K. (2022). Gender diversity on corporate boards, firm performance, and risk-taking: New evidence from Spain. *Journal of Behavioral and Experimental Finance*, 100721.
- Saidu, M. K., & Al Mamun, M. A. (2022). Exploring the Factors Affecting Behavioural Intention to Use Google Classroom: University Teachers' Perspectives in Bangladesh and Nigeria. *TechTrends*, 66(4), 681–696.
- Sakib, S., Neon, M. N., Mahi, R. B. M., Musfique, I., & Rifaat, S. M. (2022, December). A Study on the Intensity of Traffic Induced Noise on Traffic Police at Collector and Arterial Roads in Dhaka City. *Proceedings of the 26th International Conference of Hong Kong Society for Transportation Studies*.
- Salele, N., & Khan, M. S. H. (2022). Engineering Trainee-Teachers' Attitudes Toward Technology Use in Pedagogical Practices: Extending Computer Attitude Scale (CAS). *SAGE Open*, 12(2).
- Shadman Abid, M., Apon, H. J., Morshed, K. A., & Ahmed, A. (2022). Optimal Planning of Multiple Renewable Energy-Integrated Distribution System With Uncertainties Using Artificial Hummingbird Algorithm. *IEEE Access*, 10, 40716–40730.
- Shagor, M. R. K., Sami, S. R., Nishat, M. M., Faisal, F., Zaman, M. S., & Ahmed, Z. (2022). Studying the Applicability of Swarm Intelligence in Designing Optimized PI Controller for DC-DC Zeta Converter: A MATLAB-Based Approach. *Mathematical Problems in Engineering*, 2022.
- Shakeel, S. I., Al Mamun, M. A., & Haolader, M. F. A. (2022). Instructional design with ADDIE and rapid prototyping for blended learning: validation and its acceptance in the context of TVET Bangladesh. *Education and Information Technologies*.
- Shamim, M. R. H., Mamun, M. A. Al, & Raihan, M. A. (2022). Mapping the Research of Technical Teachers' Pedagogical Beliefs about Science Technology Engineering and Mathematics (STEM) Education. *International Journal of Instruction*, 15(4), 797–818.
- Tadda, M. A., Li, C., Gouda, M., Abomohra, A. E.-F., Shitu, A., Ahsan, A., Zhu, S., & Liu, D. (2021). Enhancement of nitrite/ammonia removal from saline recirculating aquaculture wastewater system using moving bed bioreactor. *Journal of Environmental Chemical Engineering*, 9(5), 105947.
- Tahmid Wara Ucchas, M., Mustafiz Nuhas, M., Toufiquz-zaman, M., Jaber Mahmud, A., & Fokhrul Islam, M. (2022). Performance and Comparative Analysis of PI and PID Controller-based Single Phase PWM Inverter Using MATLAB Simulink for Variable Voltage. *2022 Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)*, 1–6.
- Tathfif, I., Hassan, M. F., Rashid, K. S., Yaseer, A. A., & Sagor, R. H. (2022). A highly sensitive plasmonic refractive index sensor based on concentric triple ring resonator for cancer biomarker and chemical concentration detection. *Optics Communications*, 519.
- Uddin, M. S., Chi, G., Al Janabi, M. A. M., Habib, T., & Yuan, K. (2022). Modeling credit risk with a multi-stage hybrid model: An alternative statistical approach. *Journal of Forecasting*, 41(7), 1386–1415.
- Urmi, S. S., Billah, M. M., Priyadarshi, S., Bae, J., Jung, B., Lee, S., Kim, K., Shin, J., Choi, S., Lim, J., Kang, T., Lee, C., & Jang, J. (2023). Highly Robust Flexible Poly-Si Thin Film Transistor Under Mechanical Strain With Split Active Layer for Foldable Active Matrix Organic Light Emitting Diode Display. *IEEE Electron Device Letters*, 44(1), 80–83.
- Wanke, P., Azad, M. A. K., Karbassi Yazdi, A., Birau, F. R., & Spulbar, C. M. (2022). Revisiting CAMELS Rating System and the Performance of ASEAN Banks: A Comprehensive MCD-M/Z-Numbers Approach. *IEEE Access*, 10, 54098–54109.
- Yeasmin, S., Islam, Z., Azad, A. K., Alam, E. M. M., Rahman, M. M., & Karim, M. F. (2022). Thermal performance of a hollow cylinder with low conductive materials in a lid-driven square cavity with partially cooled vertical wall. *Thermal Science and Engineering Progress*, 35, 101454.
- Youssouf, N. (2022). Traffic sign classification using CNN and detection using faster-RCNN and YOLOV4. *Heliyon*, 8(12).

Faculty and Staff Members with Outgoing Students of Academic Year 2021-2022



Department of Mechanical and Production Engineering (MPE)



Department of Electrical and Electronic Engineering (EEE)



Department of Computer Science and Engineering (CSE)

**Faculty and Staff Members with Outgoing Students of
Academic Year 2021-2022**



Department of Civil and Environmental Engineering (CEE)



Department of Technical and Vocational Education (TVE)



Department of Business and Technology Management (BTM)

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

A Subsidiary Organ of Organisation of Islamic Cooperation (OIC)

Board Bazar, Gazipur – 1704, Bangladesh

PABX : +880-2-996691254 - 59

Office of the VC : +880-2-996691250

Registrar Office: +880-2-996691252

Fax : +880-2-996691260

Website : www.iutoic-dhaka.edu



Editor:

Prof. Dr. M. Ahsan Habib

Head, Department of Research, Extension, Advisory Services & Publications (REASP)

Islamic University of Technology (IUT)

Design and Formatting:

Md. Abdul Wadud

REASP Department, IUT



Photo Courtesy:
A.G.M. Rafiuzzaman Rafid (MPE' 20)