



Signing Ceremony

MoU with Spectrum

Mr. Forkan Bin Quasem, Managing Director and Mr. Md. Mushfiqur Rahman, Deputy Managing Director at Spectrum Engineering Consortium Limited - one of the largest IT companies and a key player in developing IT infrastructure in Bangladesh for the last many years - paid a visit, on invitation, to the campus of the Islamic University of Technology (IUT) on 03 March 2021.

The Spectrum and the University managements exchanged views on the possible areas of cooperation in the fields of industry-academia collaboration and signed a Memorandum of Understanding (MoU) between the Spectrum and IUT. In the meeting held in the board room of the university, the IUT side was led by its Vice Chancellor, Professor Dr. M. Rafiqul Islam while the Spectrum was led by its Managing Director, Mr. Forkan Bin Quasem.

The guests went round the different facilities of the University and expressed their desire to establish rapport with the University under industry-academia collaboration scheme.



Mr. Forkan Bin Quasem, Managing Director, Mr. Md. Mushfiqur Rahman, DMD, of Spectrum Engineering Consortium Limited with Vice Chancellor, Professor Dr. M. Rafiqul Islam, Dr. Omar Jah, Pro-Vice Chancellor, Deans of Two faculties, Head, MPE Department and Head, REASP Department of IUT at the Vice Chancellor office of IUT.

IUT signs MoU with Walton Hi-Tech Industries Limited

Islamic University of Technology (IUT) signed a memorandum of understanding (MoU) with Walton Hi-Tech Industries Limited, a leading public limited company of Bangladesh, on 10 March 2021 at the factory premises of the company at Chandra, Kaliakoir, Gazipur. Under the MoU, both IUT and Walton will strengthen their capacity building

especially in the areas of research and development. Walton has also agreed to provide IUT alumni with employment opportunities as well as internship programmes for IUT students at the Walton facilities.

IUT has expressed its desire to extend its expertise under its industry-academia collaboration framework to Walton which is planning to manufacture cars, pick up van, mini-van, hatch back and vehicle in Bangladesh. Led by Vice chancellor, Prof. Dr. M. Rafiqul Islam, the IUT delegation was shown round the different sections of the factory premises and was briefed on the cutting-edge production processes being followed by the industry which produces a wide range of durable consumer products like TV, fan, fridge, air conditioner, microwave oven, smart phone, computer, laptop, home appliances, kitchen appliances, elevator, compressor etc.

The event was initiated from IUT side by Dr. Md. Hamidur Rahman, Professor, MPE Department and Head, Institute of Energy and Environment (IEE) of the university.



MoU signing ceremony between Islamic University of Technology (IUT) and Walton Hi-Tech Industries Limited



Vice Chancellor, Professor Dr. M. Rafiqul Islam along with high officials of IUT visiting the factory premises of Walton Hi-Tech Industries Ltd. at Chandra, Kaliakoir, Gazipur

Visits of the Vice Chancellor

VC Visits Embassy of the Republic of Indonesia in Dhaka

Professor Dr. Mohammad Rafiqul Islam, Vice Chancellor of IUT had an audience with H.E Mrs. Rina P. Soemarno, Ambassador of the Republic of Indonesia in Bangladesh

on 09 March 2021.

While exchanging views, the Vice Chancellor thanked the Ambassador and the Government of Indonesia for their continued moral, material and intellectual support to IUT. The Vice Chancellor apprised the Ambassador of various academic and other activities and programmes of the university.

The Ambassador appreciated the role being played by IUT in the development of human resources in the fields of engineering, technology as well as technical & vocational education of the member states of the OIC. The Vice Chancellor requested the Ambassador to use her good offices for establishing collaboration and exchange programmes between IUT and the seats of higher learning and research in Indonesia.

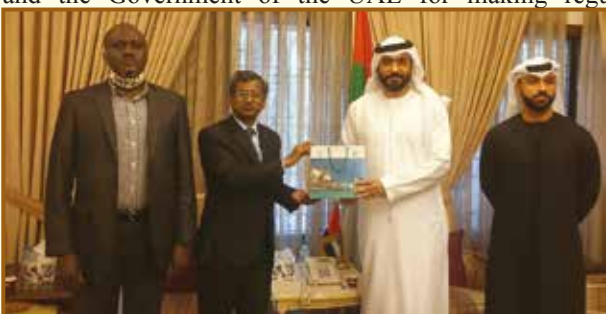
Dr. Omar Jah, Pro-Vice Chancellor of IUT, Mr. Sapta N. Dananjaya, Third Secretary and Head of Chancery and Ms. Rima Sundusita, Second Secretary of the Embassy were also present on the occasion.



Professor Dr. Mohammad Rafiqul Islam, Vice Chancellor and Dr. Omar Jah, Pro-Vice Chancellor, IUT in a meeting with H.E Mrs. Rina P. Soemarno, Ambassador of the Republic of Indonesia in Dhaka

VC Visits Embassy of United Arab Emirates in Dhaka

H.E. Mr. Abdulla Ali Al Hmoudi, Chargé d'affaires (CDA) of the United Arab Emirates (UAE) in Dhaka, Bangladesh, handed over a cheque in settlement of the UAE contribution to the budget of IUT for the financial year 2021 to Professor Dr. Mohammad Rafiqul Islam, Vice Chancellor of IUT. The CDA made the yearly mandatory contribution of the UAE to the VC of IUT when the latter called on the former's office on 15 March 2021. The Vice-Chancellor thanked the CDA and the Government of the UAE for making regular



H.E. Mr. Abdulla Ali Al Hmoudi, Chargé d'affaires (CDA) of the United Arab Emirates (UAE) in Dhaka is seen with Professor Dr. Mohammad Rafiqul Islam, Vice Chancellor and Dr. Omar Jah, Pro-Vice Chancellor, IUT at the Embassy of UAE..

contributions to the University over the years. The VC apprised the CDA of various academic and other activities and programmes of the University which has participation of students from different Member States of the OIC. Dr. Omar Jah, Pro-Vice Chancellor of the University, was also present during the visit to the embassy.

Seminars/Webinars/Workshops

Seminar on "Professional Development Program on Outcome Based Education (OBE)" by MPE Department

MPE Accreditation Unit, IUT, successfully organized the seminar on "Professional Development Program on Outcome Based Education (OBE)" for MPE Faculty Members on 16 February 2021. Vice Chancellor of IUT, Prof. Dr. M. Rafiqul Islam conducted the seminar as the resource person. The seminar started with the reception of the resource person and recitation from the Holy Quran followed by introductory remarks by the Head of MPE Department Prof. Dr. Md. Anayet Ullah Patwari. The current activities and future plans of the MPE department were presented by the MPE Accreditation Unit before Vice-Chancellor of IUT conducting the sessions. The day-long seminar covered various important topics and expected to boost up the accreditation procedure and ensure quality education for the students.



Head, Faculty and Staff Members of MPE Department, IUT

MPE Department organized session on "5S Housekeeping"

The session titled "5S Housekeeping" was conducted on 19 February 2021 as a part of the staff development program. Prof. Dr. Md. Anayet Ullah Patwari, Head, MPE Department and Prof. Dr. Md. Shamsuddin Ahmed have conducted the session as the resource persons. All the staff members of the MPE department were present in the session held at the MPE Machine Shop, IUT. The sessions included lessons on waste elimination through workplace organization which will in turn help in efficient functioning of various laboratories.

MPE inventory week held on 01 - 05 March 2021

Department of Mechanical and Production Engineering announced physical inventory week from 01 March 2021 to 05 March 2021 for maintaining the updated inventory

reports within the assigned laboratories for the department as a part of the asset management policy. During the time MPE department created a complete, precise and updated database of different assets with a view to assess the conditions of the assets, to facilitate identification and inspection.

MPE Department organized a webinar on “The Future of Manufacturing: Sustainable Products, Processes, and Systems”

The webinar is a part of MPE, IUT webinar series and was held on 4 March 2021. The webinar was inaugurated by the Head of the department, Prof. Dr. Md. Anayet Ullah Patwari followed by an introductory talk on Sustainable Manufacturing by Dr. A. R. M. Harunur Rashid, Associate Professor, MPE Department. Prof. Dr. Fazleena Badurdeen, Professor, Mechanical Engineering Department, Director of Graduate Studies for the Online Manufacturing Systems Engineering MS Programme, Core Faculty, Institute for Sustainable Manufacturing, University of Kentucky, Lexington, KY, USA was the keynote speaker of the webinar. The contents of the presentation were very instructive for the young researchers and students of the department. On behalf of the department, Head, MPE expressed gratitude to the resource person, faculty members, and other participants for being a part of the webinar.



Webinar on “The Future of Manufacturing: Sustainable Products, Processes, and Systems” by MPE Department, IUT

BTM Department Organized the Workshop on “ERP Monitor” as a Part of the Enterprise Resource Planning(ERP)

BTM department successfully organized the workshop on “ERP Monitor” as a part of the Enterprise Resource Planning(ERP) course on 15 December 2020. The keynote speaker was Mr. Zahidul Hasan Bhuiyan, Managing Director, Benchmark Software Bangladesh Limited. The workshop was presided over by the Head of BTM Department Prof. Dr. Md. Anayet Ullah Patwari. Mr. Zahidul Hasan Bhuiyan presented a comprehensive discussion on the practical use of



Webinar on BTM Department, IUT

the ERP software & its different modules (Financial Accounts, Payroll Management, Inventory Management etc.). Around 150 participants from different institutions from home and abroad attended the session.

EEE department organized a short course on “Energy Transition: Clean, Affordable, Sustainable Perspective”

EEE department arranges a short course titled “Energy Transition: Clean, Affordable, Sustainable Perspective” which was held on 26 – 27 December, 2020 in virtual platform. Eminent speakers in the domain from Australia, Malaysia, Netherland, Bangladesh University (ie. IUT, AUST, IUB, DIU) and industry experts (ie. IDCOL, SREDA) delivered lectures in 10 different sessions. Participants from Cameroon, Germany, Finland, Afghanistan, Yemen as well as Bangladesh (MIST, UIU, BUET, KUET, JU) attended the program.

Department of REASP Organized Online Workshop on “Research Grant Proposal Writing”

Department of REASP (Research, Extension, Advisory Services and Publications), IUT, Bangladesh, organized a half-day long online Workshop on “Research Grant Proposal Writing: Attaining Essential Quality for Success” on 28 March 2021. Dr. Omar Jah, Pro- Vice Chancellor, IUT and Prof. Dr. Md. Ashraful Hoque, Dean, Faculty of Engineering & Technology, IUT were the Chief Guests of the workshop. Prof. Dr. A. S. M. A. Haseeb, Dean of Innovative Industry and Sustainability Research Cluster, Institute of Research Management and Monitoring, University of Malaya, was the speaker of the workshop. IUT faculty members and postgraduate students attended the workshop.



Online workshop organized by REASP Department, IUT

IUT Activities

First Project Handover Ceremony under the ‘Industry Academia Collaboration’ frame work between SPECTRUM and MPE Department

MPE Department starts industry-academia collaboration with Spectrum Engineering Consortium Limited. Under this collaboration, a material handling equipment was handed over to the department by the management of Spectrum on 3 March 2021. MPE Department is expected to improve this device by developing an appropriate automated and guided technology. The event was moderated by the head of the MPE Department, Prof. Dr. Md. Anayet Ullah Patwari. It was expressed by both the parties that industry-academia collaborations like this



First Project Handover Ceremony between SPECTRUM and IUT

are inspiring and encouraging for the students and researchers to take up the contemporary challenges faced by the host country and Ummah and come up with tangible solutions.

Prize Giving Ceremony of Intra IUT Photography Exhibition

The prize-giving ceremony of Intra IUT Photography Exhibition - Pronoia organized by IUT Photographic Society - IUTPS held on 19 December 2020. The Hon'ble Vice Chancellor, Prof. Dr. M Rafiqul Islam, was the chief guest of the ceremony. "Pronoia - Intra IUT Photographic Exhibition" was launched in October of this year. Every year IUTPS organizes it on the premises of IUT. However, this year, IUTPS introduced the exhibition online on a virtual platform due to this pandemic situation. In the initial phase, more than 700+ photographs were submitted by the students of IUT. The honorable judge of the exhibition was Jewel Paul, one of the renowned photographers and curator of Bangladesh. After the judgment, 30 photos were selected for the exhibition. The virtual exhibition was launched online on 5 November 2020. Through this event, IUTPS awaits to take a step forward for the flagship IUTPS international photography exhibition - "Break The Circle - Season 10". The prize-giving ceremony ended with the inspirational speeches given by the Vice Chancellor, Prof. Dr. M Rafiqul Islam, and encouraging words by the moderator of IUTPS, Prof. Dr. Habib Kabir.



Prize Giving Ceremony of Intra IUT Photography Exhibition

Faculty News

Prof. Dr. Md. Shahadat Hossain Khan was invited as a keynote speaker at the pavilion "Best practices and lessons learnt in TVET from the world", on the 10th December 2020 at the SIF - Skillman International Forum 2020, which is organized by the Skillman, Europe

Prof. Md. Shahadat Hossain Khan, Islamic University of Technology, Bangladesh and Prof. Sue Gregory, University of New England, Australia, Guest Editor, Special Issue on: Emerging Technology in Teaching and Learning: Cases from Developing Countries, International Journal of Smart Technology and Learning.

Faculty Publications

Rahman, Md Maksudur, Ashik Ahmed, MdMehedi Hassan Galib, and MdMoniruzzaman. "Optimal damping for generalized unified power flow controller equipped single machine infinite bus system for addressing low frequency oscillation." ISA Transactions (2021).

Rafsanjany Kushol, MdHasanulKabir, M Abdullah-Al-Wadud, MdSaiful Islam, "Retinal blood vessel segmentation from fundus image using an efficient multiscale directional representation technique Bendlets," Mathematical Biosciences and Engineering, Volume 17, Issue 6: 7751-7771, 2020.

Hasan Mahmud, Md. Robiul Islam, and Md. Kamrul Hasan, On-air English Capital Alphabet (ECA) recognition using depth information, The Visual Computer Journal, 30 January 2021, Springer-Verlag GmbH Germany, part of Springer Nature.

Conventional versus Islamic bank efficiency: A dynamic network data-envelopment-analysis approach MAK Azad, MBA Talib, KK Teng, P Saona Journal of Intelligent & Fuzzy Systems 40, 1921-1933 2021

Job satisfaction and intention to quit: A bibliometric review of work-family conflict and research agenda JR Mumu, T Tahmid, MAK Azad Applied Nursing Research, 151334 1

Islamic Marketing: A Literature Review and Research Agenda MAA Mamun, CA Strong, MAK Azad International Journal of Consumer Studies 2 2020

Technologies for Cross-Border E-Commerce P Saona, N Akther, MA Al Mamun, MAK Azad Cross-Border E-Commerce Marketing and Management, 30-53

Munira, S. (2020) "Gender Diversity in the Boardroom and the Firm Financial Performance of DSE Listed Companies in Bangladesh", Global Disclosure of Economics and Business, 9(2), pp. 89-96.

Rabiul Al Mahmud, Md Omar Faruque, and Rakibul Hasan Sagor. "Plasmonic Refractive Index Sensor Based on Ring-Type Pentagonal Resonator with High Sensitivity." Springer: Plasmonics (2021).

Rabiul Al Mahmud, Md Omar Faruque, and Rakibul Hasan Sagor. "A highly sensitive plasmonic refractive index sensor based on triangular resonator." Elsevier: Optics Communications 483 (2021): 126634.

Editor: Prof. Dr. Hossain Md. Shahin