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## Prof. Dr. Munaz Ahmed Noor Joined as Vice-Chancellor of IUT

Prof. Dr. Munaz Ahmed Noor joined as the Vice-Chancellor, Islamic University of Technology (IUT) on 1st April 2016. Prior to joining as VC he was Pro-Vice-Chancellor of National University. Prof. Dr. Munaz Ahmed Noor is also a Professor of Civil Engineering Department in Bangladesh University of Engineering and Technology (BUET). He received his B.Sc. degree in Civil Engineering and M. Sc. degree in Structural Engineering from Bangladesh University of Engineering and Technology (BUET), Dhaka. He was awarded University Gold Medal for best academic performance in both the degrees. Earlier to this he was also awarded the presidential Gold medal for standing first in combined merit list in HSC. He was awarded a scholarship by Asian Development Bank and received his PhD in Civil Engineering from University of Tokyo, Japan in 2000. He is also a member of "Digital Bangladesh Task Force" headed by honorable Prime Minister. He is also active in many social and professional organizations.



*Chairman of the Governing Board of IUT meeting with High officials and Departmental Heads of IUT*

## Governing Board Chairman meeting with High Officials and Departmental Heads of IUT

H.E. Dr. Mohammad S. Alalam Alzahrani, Chairman of the Governing Board of IUT along with new Vice-Chancellor, Prof. Dr. Munaz Ahmed Noor made a meeting with IUT high officials and heads of the all department on 01 April 2016 and discussed the future roadmap of IUT.

## Vice-Chancellor Visits Saudi Embassy

Prof. Dr. Munaz Ahmed Noor, Vice-Chancellor, IUT, visited Embassy of Saudi Arabia on 05 April 2016. H. E. Mr. Abdullah H. M. Almutairi, Ambassador of the Kingdom of Saudi Arabia in Bangladesh handed over a cheque for the full settlement of mandatory contribution of Saudi Arabian Government to IUT for the Fiscal Year 2016. The Vice-Chancellor recalled all the previous contributions of Saudi Arabian Government and also requested the continuous support and cooperation of KSA Government for the future development of IUT. Vice-Chancellor apprised the recent academic and other related activities of the University. The honorable Ambassador appreciated the different steps taken by the IUT authority and assured the support of his country.



*Ambassador of K.S.A and VC of IUT*

## Vice-Chancellor Visits UAE Embassy

The Vice-Chancellor, IUT, met His Excellency Dr. Saeed Bin Hajar Al-Shehi, Ambassador Extraordinary and Plenipotentiary of the United Arab Emirates to Bangladesh in his office in Dhaka on 20 April 2016. During the visit, the Ambassador handed over a cheque towards the full settlement of mandatory contribution of UAE Government to IUT for the Fiscal Year 2016. The Vice-Chancellor thanked the Ambassador and the Government of the UAE for this as well as for the previous contributions. The Vice-Chancellor apprised the various academic and other activities and programmes of the University which has participation of students from different Member States of the OIC. Vice-Chancellor requested the honorable Ambassador to use his good offices for collaboration and exchange programmes between IUT and the Universities of UAE.



*Ambassador of U.A.E. and VC of IUT*

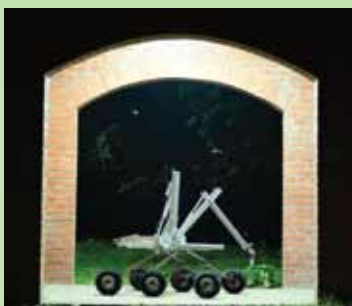
The Vice-Chancellor also requested him to help raise the initial funds for the Endowment Fund of IUT and the Ambassador assured the Vice-Chancellor of continued help and assistance from his country.





## Mars Rover Challenge

A mars rover named “Anirban” from IUT has been selected for the final competition of University Rover Challenge (URC) that will be held in USA. Students from different department of IUT worked in that team. Last year IUT mars rover participated in European Rover Challenge held in Poland and secured 2nd position in Asia and 16th worldwide.



Professor, EEE Department of BUET was speaker of the seminar. Vice-Chancellor of IUT, Faculty Members, Students and Staff Members of IUT were present in the program.

## Inside of Telecom Industry & opportunities

A seminar on “inside Of Telecom Industry & Opportunities” was held on 28 March a at IUT Seminar room. Mr. Faruq Mahmudur Rahman, an ex-Iutian, orchestrated the whole seminar. He has been working in TELSTRA Telecom Company for the last 10 years. In his speech, he gave an insight of the present telecom industry and how it will look like after 10 years.

## Higher Study Abroad: Europe Part

A seminar was organized by IEEE IUT Student Branch on 20 April 2016. The topic of this seminar was “Higher Study Abroad: Europe Part”. Mr. Sadman Sakib gave a speech on the famous “Erasmus Mundus” scholarship program. He has cleared every single concept about how IUT students should approach for this program.

## Department of CEE giving Consultancy to BAT

Department of CEE of IUT is giving consultancy to British American Tobacco Bangladesh to assess the growth potentiality of Ligeonella bacteria in BAT water supply system. Professor Dr. Md. Rezaul Islam is the key consultant of this project. Dr. Mohammad Shahedur Rahman and Iraj Mahmud Chowdhury are also working in the team. This team will build a network modeling using EPA-NET and analyze different samples to determine the growth potentiality.

## IUTCS Freshers’ Reception

IUT Computer Society (IUTCS) organized their Freshers’ Reception on 02 March 2016 in the auditorium of the university. Prof. Dr. M. Intiaz Hossain, Honorable Vice Chancellor of IUT was present as the Chief Guest. Prof. Dr. M. A. Mottalib, Chief Patron IUTCS and Head, CSE Dept. IUT presided over the event. In the program IUTCS highlighted their activities for students to take part in with a focus to improve the quality of ICT empowered individuals. The new committee of IUTCS for academic year 2015-2016 was declared by the Chief Patron of IUTCS.

## IUT Blood Donation Program 2016

IUT Blood Donation Program 2016 was held on 02 April 2016 organized by Bangladesh Thalassaemia Hospital, Dhaka and Social and Cultural Activities Committee, IUT. Prof. Dr. Munaz Ahmed Noor visited the program. Total Fifty Four bags of blood were collected in the program donated by IUT students and staff members.



IUT Blood Donation Program 2016

## Faculty News

Dr Mohammad Ahsan Habib have recently participated 5th International Conference on Industrial Technology and Management 2016 (ICITM 2016), March 17-18, 2016, Paris, France and presented a paper entitled “Optimization of surface roughness in drilling of GFRP composite using harmony search algorithm”.

Mr. Arafat Ahmed Bhuiyan has joined as a lecturer at Mechanical and Chemical Engineering department (MCE) after successful submission of PhD thesis at University of Swinburne, Australia.

Arafat Ahmed Bhuiyan and Prof. Dr. A K M Sadrul Islam, faculty of MCE Department, received Outstanding Publication Award (OPA) 2016 from Honorable Education Minister, People’s Republic of Bangladesh. The title of the awarded paper is “Three –dimensional Performance analysis of Plain fin tube heat exchangers in transitional regime” having impact factor of 2.624 published in the Journal of Applied Thermal Engineering. OPA award is sponsored by United Group, a renowned business group operating in Bangladesh.

A paper entitled “Possibilities of integrating video-conferencing in teaching and learning contexts: an initial perspective” presented by Magombe Yasin (143603) a MScTE student of TVE at the Dhaka International Business and Social Science Conference (DIBSSRC) on 20-22 January, 2016. This was a priliminary outcome of the research team which was guided by Dr. Md. Shahadat Hossain Khan and Prof. Dr. Che Kum Clement, TVE department.

## Seminars

### Research Guidance in the Quran

A Seminar on “Research Guidance in the Quran” held on 23 March 2016 in the Auditorium at IUT. The seminar was organized by Religious Affairs Committee. Prof. Dr. Quamrul Ahsan

## Faculty Publications

Sayedus Salehin, M. Monjurul Ehsan, Shafi Noor, A.K.M. Sadrul Islam, “Modeling of An Optimized Hybrid Energy System For Kutubdia Island, Bangladesh”. Applied Mechanics and Materials, Vol. 819, pp. 518-522, Trans Tech Publications Ltd, Switzerland. [doi:10.4028www.scientific.net/AMM.819.518].



Rahman MM, Baky MAH, Islam S, Al-Matin MA. "A Techno-economic Assessment for Charging Easy Bikes using Solar Energy in Bangladesh". 4th International Conference on the Developments in the Renewable Energy Technology [ICDRET'16], Dhaka, Bangladesh, January 07-09, 2016.

Rahman MM, Salehin S, Islam S. "Economic and Environmental Analyses of Solar Home Systems in Bangladesh". 4th International Conference on the Developments in the Renewable Energy Technology [ICDRET'16], Dhaka, Bangladesh, January 07-09, 2016.

Sayedus Salehin, A.K.M. Sadrul Islam, A.N.M. Zobayer, "Reduction of Cooking Energy and CO<sub>2</sub> emission using Heat Retention Cooker for Rice Cooking", In the proceedings of 4th International Conference on the Developments in Renewable Energy Technology, ICDRET 2016, January 07-09, 2016, Dhaka, Bangladesh

Shitab Ishmam, Wasel Rahman, Shabab Bin Karim, Sayedus Salehin, A.K.M. Sadrul Islam, "From Strain to Extraction- A Review to Produce Biodiesel from Microalgae in Bangladesh", In the proceedings of 4th International Conference on the Developments in Renewable Energy Technology, ICDRET 2016, January 07-09, 2016, Dhaka, Bangladesh

MA Quader, Shamsuddin Ahmed (2016), "Present needs, recent progress and future trends of energy-efficient Ultra-Low Carbon Dioxide (CO<sub>2</sub>) Steelmaking (ULCOS) program", *Renewable and Sustainable Energy Reviews* 55, Elsevier Publications (Tier-1/Q1 ISI Journal), pp.537-549.

Rahman, M.,H. and Islam, S., "Effects of the Position of Kitchen Hood Suction on thermal Comfort and Carbon Dioxide Gas Emission from an Urban Residential Kitchen in Developing Countries", *Applied Mechanics and Materials* Vol. 819 (2016) pp 117-121 © (2016) Trans Tech Publications, Switzerland. doi:10.4028/www.scientific.net/AMM.819.117

Hasan Mahmud, Md. Kamrul Hasan, Abdullah-Al-Tariq, Md. Abdul Mottalib, "Hand Gesture Recognition Using SIFT Features on Depth Image", the ninth International Conference on Advances in Computer-Human Interactions (ACHI), pp. 359-365, 24-28 April, Venice, Italy, 2016.

Mohammed, T. U., Mahmood, A. H., (2016). "Effects of Maximum Aggregate Size on UPV of Brick Aggregate Concrete", *Journal of Ultrasonics*, Elsevier, April 2016. doi:10.1016/j.ultras.2016.04.006.

Shamim, R. H., and Raihan, M. A., (2016) "Effectiveness of Using ICTs to promote teaching and learning in technical education: Case of Bangladesh", *International Journal of Vocational and Technical Education* Vol. 8(2), pp. 12-19.

Sagor, Rakibul Hasan, Md Ghulam Saber, and Mohammad A. Alsunaidi. "Numerical study of propagation properties of surface plasmon polaritons in nonlinear media". *The European Physical Journal D* 70, no. 3 (2016): 1-8.

Saber, Md Ghulam, Rakibul Hasan Sagor, and Md Ruhul Amin. "A Comparative Study of Dispersion Characteristics Determination of a Trapezoidally Corrugated Slow Wave Structure Using Different Techniques" *Chinese Physics Letters* 33, no. 1 (2016): 018401.

Ahmed, Ashik, and Md Shahid Ullah. "Optimal design of proportional-integral controllers for stand-alone solid oxide fuel cell power plant using differential evolution algorithm". *Springer Plus* 5, no. 1 (2016): 1-27.

Kawser, Mohammad T., Mohammad R. Islam, Ziaul Islam, Mohammad A. Islam, Mohammad M. Hassan, Zobayer Ahmed, and Rafid Hasan. "Improvement in DRX Power Saving for Nonreal-Time Traffic in LTE.". *ETRI Journal*.

M. A. Habib, Md. A. U. Patwari, A. Jabed and M. N. Bhuiyan, "Optimization of surface roughness in drilling of GFRP composite using harmony search algorithm", 5th International Conference on Industrial Technology and Management 2016 (ICITM 2016), March 17-18, 2016, Paris, France.

## Games & Sports

**Annual Badminton Competition 2016:** Annual Badminton (Single) Competition 2016 was held on 11 February 2016. The Champions was Fahim Azmal Rhythm (141428) and Runner-Up was Md. Salman Sayeed Khan (124402). Annual Badminton (Double) Competition 2016 was held on 02 February 2016. The Champions were Zilkad Hossain (121424), Md Abdur Rafi (122420) and Runner-Up were Sakib Ishraq (141420), Fahim Azmal Rhythm (141428).

**Inter-departmental Cricket:** Inter-departmental Cricket Competition 2016 was held on 24 February 2016. MCE Department became Champion and EEE Department became Runner-up respectively.

**Inter-departmental Volleyball:** Inter-departmental Volleyball Competition 2016 was held on 18 April 2016. MCE Department became Champion and EEE Department became Runner-up respectively.



*Inter-departmental Volleyball Competition 2016*

**Inter-departmental Football:** Inter-departmental Football Competition 2016 was held on 29 April 2016. EEE Department became Champion and TVE Department became Runner-up respectively.



## Vice-Chancellor Meeting with Honorable Minister of Foreign Affairs of Bangladesh

Prof. Dr. Munaz Ahmed Noor, Vice-Chancellor, IUT met with the Honorable Foreign Minister H. E. Mr. Abul Hassan Mahmood Ali, MP, at his office on 17 April 2016. The Vice-Chancellor appraised the Foreign Minister of various academic and research programmes of the University which has participation of students from different Member States of the OIC. The Vice-Chancellor requested the host government to help diversify the sources of its funding in the Endowment Fund of IUT and the Minister assured the Vice-Chancellor of continued help and assistance from his Ministry. The Minister also assured that the government will help facilitate the quick processing of the visa application of the expatriate students of IUT with highest care.



*VC of IUT Prof. Munaz Ahmed Noor with Bangladesh Foreign Minister*

## Farewell of Former Vice-Chancellor Prof. Dr. M. Imtiaz Hossain

A farewell program for outgoing Vice-Chancellor of IUT Prof. Dr. M. Imtiaz Hossain was organized by high officials of IUT on 30 March 2016. Heads of different department, office & centre spoke on this program and recalled all the contribution of Prof. Dr. M. Imtiaz Hossain during his tenure of services at IUT.



*Farewell Program of Prof. Dr. M. Imtiaz Hossain*

## Vice-Chancellor of IUT attends 13th session of OIC Summit



*VC of IUT Prof. Munaz Ahmed Noor at the 13th OIC Summit*

Prof. Dr. Munaz Ahmed Noor, Vice-Chancellor, IUT, participated in the 13th Session of the OIC Summit Conference held in Istanbul, Republic of Turkey during the period from 10-15 April 2016. The Vice-Chancellor was invited by His Excellency Secretary General of the OIC.

## Japanese Faculty Visited CEE, IUT

On 18 March 2016, Emeritus Prof. Teruo Nakai of Nagoya Institute of Technology, with his colleague Dr. Hiroyuki Morikawa visited IUT. CEE arranged a seminar to exchange the views and to share the recent development in the field of geotechnical engineering. Prof. Nakai gave a presentation on "Simple Modeling of Natural Soils" in the seminar. He is the author of "Constitutive Modeling of Geomaterials: Principles and Applications". CEE Head Prof. Dr. Tarek Uddin and other faculty members were present in the seminar.



*Prof. Nakai with the faculty members and students of CEE, IUT*

## 70th Meeting of IUT Academic Council

The 70th Academic Council Meeting of IUT was held on Tuesday, 19 April 2016 at IUT Campus. The meeting was Chaired by Professor Dr. Munaz Ahmed Noor, Vice-Chancellor, IUT and attended by representatives from the diplomatic missions of Pakistan and Turkey in Bangladesh and other Members of the committee.



*70th Meeting of IUT Academic Council*

## 14th Meeting of IUT Syndicate

The 14th Meeting of the Syndicate of IUT was held on Thursday, 21 April 2016 at IUT campus. The meeting was chaired by Professor Dr. Munaz Ahmed Noor, Vice-Chancellor, IUT and attended by representatives from the diplomatic missions of Malaysia, Pakistan and Turkey in Bangladesh and other Members of the committee. In the meeting the Syndicate approved to open two faculties viz,



*14th Meeting of IUT Syndicate*

Faculty of Engineering & Technology and Faculty of Science & Technical Education. In addition to existing programs, two new undergraduate programmes namely Bachelor of Business Administration in Technology Management and Bachelor of Science in Software Engineering will be launched from the next academic year 2016-2017. Female students from all over the OIC member countries will be admitted for the first time in undergraduate program from the ensuing academic year beginning in December 2016.

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