Strategic Mission & Vision

The Department of Civil and Environmental Engineering (CEED) at NSU aspires to be a leader in providing engineering solutions to develop infrastructure in a sustainable manner, i.e. in harmony with nature.

Consistent with the mission of North South University, the mission of the department is three-fold: (1) to educate future engineers for professional practices with adequate technical competency, ethical standard and leadership skill; (2) to contribute to the global technological advancement through effective research; and (3) to serve the nation by extending technical assistance into development projects through mutually beneficial partnerships. The long-term vision of the department is to become a centre of excellence in providing knowledge and technical support in sustainable infrastructure development compatible with the national and global context.

With the above mentioned mission and vision declared, the department aims to be recognized as one of the outstanding academic programs among the peers nationally and internationally in terms of forward-looking curricula which covers advanced level of technological skills along with the concept of sustainability, outstanding teaching environment, and high quality educational and research facilities.
Faculty and Advisory Council

One of the major strengths of the department is its highly qualified faculty members, having degree from internationally reputed universities, mostly from North America. Apart this, eminent educationists and professional engineers from home and abroad in the field of civil and environmental engineering are involved with the department with various capacities as the member of the Coordination Committee & Advisory Council. Academics from abroad also teach in the department as visiting faculty members. CEED can hire part-time faculty members from other institutes as well, specifically from BUET.

Advisory Council

- Prof. Dr. Shamim Z Basunia, President, The Institution of Engineers, Bangladesh (IEB), Dhaka, Bangladesh (Ex-Professor, Chair and Dean, Department of Civil Engineering, BUET)
- Prof. Dr. M. Feroze Ahmed, Vice Chancellor, Stamford University, Ex-Professor, Department of Civil Engineering, BUET (Ex-Chair and Dean; Ex-Director, ITN-BUET)
- Prof. Dr. Md. Mazharul Hoque, Professor, Department of Civil Engineering, BUET (Ex-Chair; Ex-Director, Accident Research Center)
- Prof. Dr. Md. Mujibur Rahman, Professor, Department of Civil Engineering, BUET (Ex-Chair, Ex-Director, ITN-BUET)
- Engr. Faizur Rahman Khan, Managing Director, Building Technologies and Ideas Ltd. (BTI)
- Prof. Dr. Sarwar Jahan Md. Yasin, Professor, Department of Civil Engineering, BUET
- Prof. Dr. Md. Mafizur Rahman, Professor, Department of Civil Engineering, BUET (Ex-Director, ITN-BUET)
- Prof. Dr. M Jahir Bin Alam, Professor, Department of Civil and Environmental Engineering, SUST, Sylhet
- Prof. Dr. S M Atiqul Islam, Professor, Department of Civil Engineering, DUET, Gazipur, Dhaka
- Dr. Mujibur Rahman, Senior Lecturer, Department of Civil Engineering, Brunel University, London, Uk
Md. Sirajul Islam
Associate Professor & Chair

PhD, The University of Tokyo, Japan;
M.Sc., The National University of Singapore; B.Sc. Engg. (Civil), Bangladesh University of Engineering and Technology (BUET), IPCC Expert Reviewer and former UNFCCC Fellow


Dr. Md. Sirajul Islam joined NSU back in 2005 and held several important positions including Chair, Department of Environmental Science & Management (DESM) and Faculty Advisor of Earth Club. Dr. Islam has extensive experiences in the field of water resources and environment with further concentration in climate change, urban environmental management, industrial compliance and building safety issues. He got training on ISO 14000, industrial environmental management and fire safety. Dr. Islam started his career as a researcher at the Institute of Water and Flood Management (IWFM), BUET in 1995. He then joined at the Department of Civil and Environmental Engineering, Shajalal University of Science and Technology (SUST), Sylhet in 1997. After his PhD, he conducted JST Postdoctoral Fellowship on Hydrology and Water resources at Oki Laboratory, IIS, The University of Tokyo, Japan in 2003-2005. Apart from academic assignments, he served for a number of international organizations and UN bodies as UNDP, DFID, ADB, UNFCCC and IPCC as well. In 2010, he served as Research Fellow at the secretariat of the United Nations Framework Convention on Climate Change (UNFCCC), Bonn, Germany on the topic Technology for Adaptation. Dr. Islam is associated with Intergovernmental Panel on Climate Change (IPCC) as an Expert Reviewer for a number of reports. He is extensively involved with the professional bodies in his field and presently serving as General Secretary, Bangladesh Society for Environmental Scientists (BSES). He published widely in different international and national peer reviewed journals, book chapters and conference proceedings.

E-mail: sirajul@northsouth.edu
Javed Bari
Associate Professor

PhD & M.Sc, Arizona State University, Tempe, Arizona, USA;
B.Sc. Engrg. (Civil), Bangladesh University of Engineering and Technology (BUET),
PE (Registered Professional Engineer), USA


Dr. Javed Bari joined NSU in 2013 as an Associate Professor. He has around than twenty years’ combined teaching, research and corporate experience in various fields of Civil Engineering. He obtained his B.Sc. in Civil Engineering from BUET in 1993 with a major in Structural Engineering. Later he obtained M.S. and Ph.D. in Civil Engineering from Arizona State University, Tempe, Arizona, USA with a specialization in Transportation Engineering. He is a registered Professional Engineer (PE) in USA with an active license. He is also a Life fellow of IEB. He is considered a USA South-Western specialist of transportation and materials. Dr. Javed Bari was one of the key researchers who developed the globally known new AASHTO Mechanistic-Empirical Pavement Design Guide. He taught Civil Engineering courses at Arizona State University for a long time. Dr. Bari also worked in the Arizona Department of Transportation (ADOT) as a team leader and Sr. Pavement Design Engineer from 2005 to 2010. There he managed numerous research projects as well as highway construction projects totaling more than 800 million dollars. In Bangladesh, Dr. Bari worked in all three major Civil Engineering Govt. Departments, e.g. RHD, PWD and LGED, between 1994 and 1999. After returning from USA in 2011, he briefly worked in the IUBAT University at Dhaka as a Professor of Civil Engineering and also the Director of South Asian Disaster Management Center (SADMC). Dr. Bari attended numerous professional training sessions such as EIT practitioner’s training at EGIS-II, Govt. cadre foundation training at PATC, BAETE Accreditation training, ADOT strategic management training, etc. Dr. Bari has numerous publications in many international peer reviewed journals and conference proceedings such as the journals and proceedings of ASCE, TRB, AAPT, ITE, ASC, etc.

E-mail:jbari@northsouth.edu
Mohammad Nazmul Islam  
Associate Professor

PhD, The University of Tokyo, Japan;  
M.Sc., National University of Singapore; B.Sc. Engg (Civil), Bangladesh University of Engineering and Technology (BUET)

Dynamics of Structure, Fracture Mechanics, Plate Theories, Building Inspection and Retrofitting

Dr. Mohammad Nazmul Islam has build up his academic and research career on Structural Engineering since his undergraduate in 1998. His Master’s study and research included Finite Element Methods and Plate Structures, where he worked on computational mechanics of higher order plate theories. He finished all requirements for the M. Eng. degree within one year and conducted further research on deriving stability criteria for column buckling. His Ph.D. works dealt with Fracture Mechanics of Reinforced and Fiber Reinforced Concrete. He was one of the pioneers in the world to apply the Theory of Inverse Problems into fracture mechanical models of RC beams. He also conducted various experiments on RC beams into the Structural Engineering laboratory. He has numerous research articles in peer reviewed top ranked international journals and also presented papers in various conferences.

Dr. Nazmul’s teaching expertise includes courses on Mechanics of Solids, Reinforced Concrete, and Structural Analysis and Design. He lectured on Mechanics of Materials in the Graduate School of the University of Tokyo. He also has lecturing experiences in Singapore, Japan, Taiwan, Malaysia and New Zealand. He worked as the Head of the Department of Civil Engineering, Presidency University, Dhaka for eight years (2005-2013) while he developed huge skills on lecturing and academic administration and fostered his research career on Structural Engineering. He joined CEED at NSU in 2013.

Dr. Nazmul served as Staff Consultants in two projects of the Asian Development Bank (ADB). He also served Snowy Mountain Engineering Corporation (SMEC) as consultant on various infrastructure projects. Dr. Nazmul is a fellow of IEB and a member of International Society for Structural Health Monitoring of Intelligent Infrastructure. Dr. Nazmul voluntarily works for Road Safety in Bangladesh.

E-mail: islam.mohammad.nazmul@northsouth.edu