



*Be a part of building civilization*



**NORTH SOUTH  
UNIVERSITY**

Department of Civil and Environmental Engineering  
(CEED)



<b>CEED at NSU</b>	<b>1</b>
<b>Why ‘Civil and Environmental Engineering’</b>	<b>2</b>
<b>Civil and Environmental Engineering: Bangladesh’s Perspective</b>	<b>3</b>
<b>Strategic Mission &amp; Vision</b>	<b>4</b>
<b>Faculty and Advisory Council</b>	<b>5</b>
<b>CEED Curriculum</b>	<b>13</b>
<b>Accreditation</b>	<b>14</b>
<b>Resources</b>	<b>15</b>
<b>Admission</b>	<b>17</b>
<b>Financial Aid</b>	<b>18</b>

## Brief History

North South University, the first private university in Bangladesh, was established in 1992 by NSU Foundation (presently NSU Trust), formed by a group of philanthropists, industrialists, bureaucrats and academics. It is actually the selfless endeavor of these dignified individuals, which ultimately paved the way for a new horizon of opportunity in Bangladesh, i.e. higher education in the private sector. It is the visionary outlook of NSU Trust and tireless effort by NSU administration that made this university a brand name in the higher education sector in the region. Starting with a total student of 137 in 1993, at present, it is one of the largest universities in Bangladesh with around 16000 students.

### Founder Life Member

**Mr. M. A. Kashem**

*Chairman of BoT and NSU Trust*

**Mr. Azim Uddin Ahmed**

**Mr. Benajir Ahmed**

**Mr. Iftekharul Alam**

**Dr. Roushon Alam**

**Mr. Ragib Ali**

**Mr. M. A. Awal**

**Mr. Yussuf A. Harun**

**Mr. M.A. Hashem**

**Mr. M. A. Kalam**

**Mr. S. M. Kamaluddin**

**Mr. Abul Kashem**

**Mrs. Yasmin Kamal**

**Mrs. Rehana Rahman**

**Mr. A. S. F. Rahman**

**Mr. Md. Shajahan**

**Dr. Junaid Kamal Ahmad**

### Founder General Member

**Dr. Mahabub Hossain**

**Prof. Syed A. Ahad**

**Mr. Nurul H. Khan**

**Mrs. Shaista Ahmed**

**Mr. Mahbubar Rahman**

**Mr. Shah Abdul Hannan**

### Honorable BoT members and Dignitaries during Convocation



Following the Private University Act-2010, Mr. M. A. Kashem is the current Chairman of the Board of Trustees (BoT), North South University and North South University Trust. Prof. Dr. Gour Gobinda Goswami, is the Vice Chancellor (In-charge) of the University. As per the policy, NSU follows North American academic system in all its distinctive features, i.e. semesters, credit hours, letter grades, etc. Its curricula, when first introduced, usually reviewed by relevant departments of US universities. All the faculty members of this university are graduates from reputed universities worldwide, especially from USA, Canada, UK, Japan and Australia. At present there are sixteen academic departments at NSU, under four major schools as; Business & Economics, Engineering and Physical Sciences, Humanities and Social Sciences, and Health and Life Sciences. The *Civil and Environmental Engineering Department (CEED)* belongs to the School of Engineering and Physical Sciences (SEPS). Prof. Dr. Md. Sirajul Islam is the Dean of the School of Engineering and Physical Sciences (SEPS).

## CEED at NSU

Civil engineering is considered as the oldest and the most classical form of engineering education, covering diverse fields. The history of civil engineering dates back to the history of civilization, and the earliest practice of civil engineering may have commenced between 4000 to 2000 BC in Mesopotamia and Egypt when humans started to abandon nomadic existences, creating a need for the construction of shelter. In the academic arena, the term Civil Engineering was introduced to incorporate all engineering works for civilians as opposed to Military Engineering. Later, civil engineering was further divided into all the engineering disciplines that we see nowadays. It is thus considered as the mother of all engineering disciplines.

Civil and Environmental Engineering Department was launched in 2013, although a committee convened by honorable BoT member Mr. Benajir Ahmed proposed CEED back in 2003 and the BSCEE program got approval of UGC in 2004. Since then, there has always been a demand from prospective students to study this discipline. The real progress toward recruitment of students took a stride after establishment of its state-of-the-art permanent

campus at Bashundhara, where laboratory facilities and other infrastructures were possible. Adequate time was taken here to ensure that a quality civil engineering program could be designed with all the required facilities.

The main objective of the Department of Civil and Environmental Engineering (CEED) at NSU is to provide and equip students with the highest level of technical competencies, social responsibility, leadership and lifelong learning skills for a successful career in civil engineering. Currently CEED is offering Bachelor of Science in Civil and Environmental Engineering (BSCEE) degree program. CEED has highly qualified faculty members, laboratory officers, administrative and other support staff as well as most modern laboratory facilities to fulfill its objectives.



◀ L to R : Mr. M. A. Kashem, Honorable Chairman, BoT, NSU, Prof. Dr. Md. Sirajul Islam, Dean, SEPS and Prof. Dr. Javed Bari, Chair, CEED.

# Why 'Civil and Environmental Engineering'?

Civil and Environmental Engineering is the modern version of classical Civil Engineering degree. In fact, civil engineering comprises five branches namely Structural, Geotechnical, Transportation, Water resources and Environmental engineering. With the growing concern on environment over development issues in the present world, water and environmental engineering divisions of civil engineering discipline have been strengthened worldwide, changing its name to *Civil and Environmental Engineering*. In USA, almost all universities have changed the name of *Civil Engineering* department to *Civil and Environmental Engineering*. The trend started in the late 80s and continued all over the world. Pioneering examples are Stanford University (USA), Massachusetts Institute of Technology (MIT, USA), University of California, Berkely (USA), Carnegie Mellon University (USA), Imperial College (UK), University of Waterloo (Canada), University of New South Wales (Australia), Tokyo Institute of Technology (Japan) and National University of Singapore (NUS), a few webpage snapshots are presented below.

NSU, as it nurtures the most up-to-date and advanced thoughts of the present world, and mostly follows US style in its curricula design, has decided to name the department as Civil and Environmental Engineering. In Bangladesh, the newly opened Civil Engineering departments are also named as Civil and Environmental Engineering, for example, IUT, Gazipur and SUST, Sylhet.

