Welcome

New Students!

North South University

#801-1000

NSU Ranked #1

In Bangladesh with the following international university ranking agencies

1. Times Higher Education (THE): **2024, 2023** (Public/Private Universities)
2. QS World University Ranking: **2024, 2023, 2022, 2021, 2020** (Private)
3. QS Asia University Ranking: **2024, 2023, 2022, 2021, 2020, 2019** (Private)
4. Webometrics University Ranking: **2022** (Private)

#601-800

Electrical and Electronic Engineering (EEE)

#601-800

Computer Science and Engineering (CSE)

North South University

- **North South University:** The first private university in Bangladesh
- **Established:** 1992
- **Formally inaugurated:** 10 February, 1993

  3 Programs: Computer Science, Economics, BBA

  137 Students in First freshman classes

- **Today NSU has:**

4	Schools	600+	Full-time faculty
6	Institutes	200+	Administrative Staffs
16	Academic Departments	25000+	Registered Students
19	Undergrad degree programs	30000+	Alumni base
15	Graduate degree programs	24	Convocations completed

- **Website:** *www.northsouth.edu*

Prof. Atiqul Islam
Vice-Chancellor, NSU

Professir Abdur Rob Khan
Treasurer, NSU

School of Engineering & Physical Sciences (SEPS)

Prof. Javed Bari
Dean, SEPS
NSU

- ❏ Architecture (Arch)
- ❏ Civil and Environmental Engineering (CEE)
- ❏ **Electrical and Computer Engineering (ECE)**
- ❏ Mathematics and Physics (DMP)

≈ 6,000 students

Faculty Members

Dr. Nova Ahmed (NvA)

Ms. Silvia Ahmed (SvA)

Dr. Nadia Anam (NIN)

Dr. Mahdy Rahman Chowdhury (Mdy)

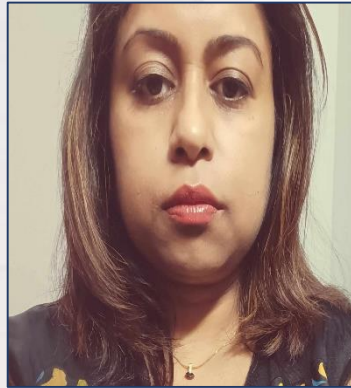Dr. Shohana Rahman Deeba (SRD1) – On leave

Mr. Mirza Mohammad Lutfe Elahi (MLE)

Ms. Tanjila Farah (TnF) On leave

Ms. Ashfia Binte Habib (ABH1)

Dr. Maktuba Mohid Binni (MMBA)

Dr. A S M Jahid Hasan (AHD)

Ms. Sharita Hasan (SSH1)

Mr. Rifat Ahmed Hasan (RIH)

Faculty Members

Dr. Shazzad Hosain (Szz)

Md. Naqib Imtiaz Hussain (NqH)

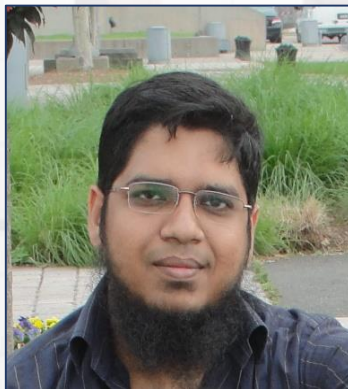Md.Shahriar Hussain (HSM)

Dr. Lamia Iftekhar (LIH)

Dr. Md. Shahriar Karim (MSK1)

Mr. Syed Fateh Al Kastur (FKr)

Dr. M Monirujjaman Khan (KMM)

Dr. M Ashrafuzzaman Khan (AzK)

Dr. Riasat Khan (RtK)

Dr. Mohammad Abdul Matin (MtN)
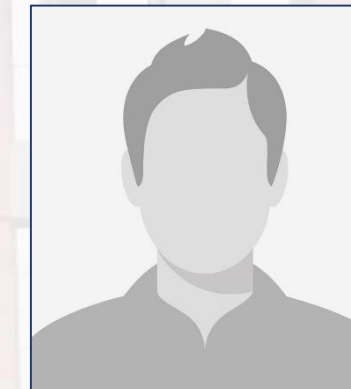
Mr. Tarek Mizan (TIM)

Dr. Nabeel Mohammed (NbM)

Faculty Members

Dr. Sifat Momen (Sfm1)

Mr. Intisar Tahmid Naheen (ITN)

Dr. Nafisa Noor (NaNr)

Md. Abu Obaidah (AbO)

Mr. M Shafayat Oshman (MOU)

Dr. Rajesh Palit (RjP)

Dr. Mohammad Abdul Qayum (New)

Dr. M Rashedur Rahman (RRn)

Dr. Hafiz Abdur Rahman (HzR)

Dr. Atiqur Rahman (Aqu)

Dr. Ahsanur Rahman (ARa2)

Dr. Tanzilur Rahman (TNR)

Faculty Members

Dr. Shafin Rahman (Sfr1)

Mr. Iqbalur Rahman Rokon (IqR)

Dr. M Rokonuzzaman (RKZ)

Dr. Kazi Mohd. Abdus Salam (KAS)
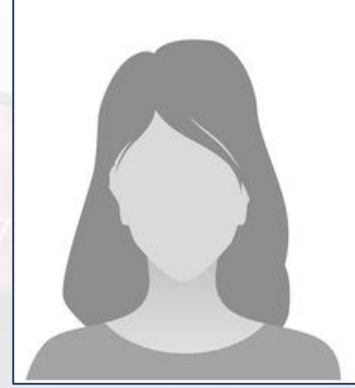
Ms. Tanzilah Noor Shabnam (TNS1)

Ms. Meem Tasfia Zaman (MEZ)
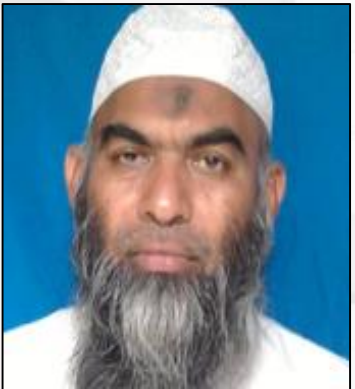
Dr. Abu Sayed Latiful Hoque (SLF)

Dr. Fariah Mahajabeen (FMA)

Md. Ishan Arefin Hossain
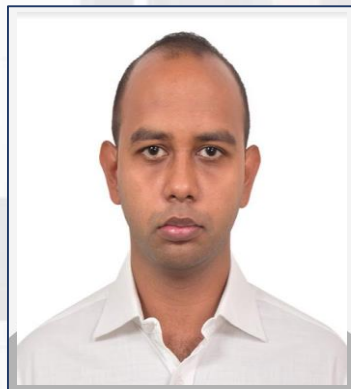
Dr. M Shifat-E-Rabbi (TBA)

Omar Ibne Shahid (OYSD)

Mr. Iqtidar Newaz (TBA)

Administrative Staff Members

Mr. Saidur Rahman
Senior Program Officer

Ms. Atiqun Noor
Faculty Assistant

Mr. Sheikh Farid Akter
Faculty Assistant

Mr. Sazzad Chowdhury
Department Secretary

Mr. Kazi Wahiduzzaman
Record Assistant

Md. Shukkur Dewan
Office Support Staff

Mr. Kutub Uddin
Office Support Staff

Md. Saidul and others
Office Support Staff

Programs and Course Curriculum

Electrical and Computer Engineering (ECE)

BAETE Accredited

❑ BS in Computer Science and Engineering (CSE)
❑ BS in Electrical and Electronic Engineering (EEE)

❑ MS in Computer Science and Engineering (CSE)
❑ MS in Electrical and Electronic Engineering (EEE)

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

NORTH SOUTH UNIVERSITY
SCHOOL OF ENGINEERING & PHYSICAL SCIENCES

ABOUT US   UNDERGRADUATE   GRADUATE   PEOPLE   RESEARCH   STUDENT ACTIVITIES   RESOURCES   INDUSTRY   ALUMNI   CAPSTONE DESIGNS   FAQ   LOGIN

UNDERGRADUATE

▼ Admission
   Prospective Students
   ▼ Transfer Students
      Internal Transfers
      External Transfers
▼ Academics
   Programs
   Advising
   Policies
Directed Research (498R)
Financial Aid
Internship (498R)

Home > Undergraduate > Academics > Programs

http://ece.northsouth.edu

PROGRAMS

The Department of Electrical and Computer Engineering (ECE) currently offers the following undergraduate degree programs:

Effective from Fall 2014 and onward

- Bachelor of Science in Computer Science and Engineering (BSCSE) – 130 credit hours
- Bachelor of Science in Electrical and Electronic Engineering (BSEEE) – 130 credit hours
- Bachelor of Science in Electronics and Telecommunication Engineering (BSETE) – 130 credit hours

The above degree programs refer to the revised curriculum incorporating university-wide broad-based general education components effective from Fall 2014 and later.

Prior to Fall 2014

- Bachelor of Science in Computer Science and Engineering (BSCSE) – 134 credit hours
- Bachelor of Science in Electrical and Electronic Engineering (BSEEE) – 135 credit hours
- Bachelor of Science in Electronics and Telecommunication Engineering (BSETE) – 128 credit hours

Students who enroll under the curriculum prior to Fall 2014 and wish to transfer to the later curriculum (effective from Fall 2014) may apply using the curriculum transfer form through the ECE Program office located at SAC942

Prior to Fall 2012

Students enrolled prior to **Fall 2012** should refer to the appropriate General Catalog or contact the ECE Program Office (SAC942) for assistance.

Degree Requirements

SL #	Category	Credits
1	General Education (GED) / University Core	34
2	Basic Sciences / SEPS Core	38
3	CSE/EEE/ETE Major Core	42
4	CSE/EEE/ETE Major Capstone Design Project (2)	4
5	CSE/EEE/ETE Major Electives (3)	9
6	Open Electives (1)	3
7	Intern/Co-op (minimum 8- 12 weeks)	Non-credit
	Total Credit	130 Credits

CSE

	Semester 1	Semester 2
1st Year	ENG102 (3 cr.) MAT116 (0 cr.) MAT120 (3 cr.) CSE115+CL (4 cr.) GED 1 (3 cr.)	ENG103 (3 cr.) MAT125 (3 cr.) MAT130 (3 cr.) CSE215+CL (4 cr.) CSE173 (3 cr.)
2nd Year	ENG111 (3 cr.) GED 2 (3 cr.) MAT250 (3 cr.) PHY107+CL (4 cr.) CSE225+IL (3 cr.) EEE141 + CL (4 cr.)	HIS102 (3 cr.) PHY108 +CL (4 cr.) MAT350 (3 cr.) CSE231+IL (3 cr.) CSE311+IL (3 cr.) EEE111 + CL (4 cr.)
3rd Year	GED 3 (3 cr.) CHE 101+CL (4 cr.) EEE154 (1 cr.) CSE299 (1 cr.) BIO103+CL (4 cr.) CSE373 (3 cr.) CSE332 (3 cr.)	GED 4 (3 cr.) GED 5 (3 cr.) MAT361 (3 cr.) CSE327 (3 cr.) CSE331 + IL (3 cr.) CSE323 (3 cr.)
4th Year	GED: 6 (3 cr.) EEE452 (3 cr.) ELECT1 (3 cr.) CSE425 (3 cr.) CSE499A (1.5 cr.)	ELECT2 (3 cr.) ELECT3 (3 cr.) OPEN ELECT (3 cr.) CSE499B (1.5 cr.) CSE498R (0 cr.)

EEE

	Semester 1	Semester 2
1st Year	ENG102 (3 cr.) MAT116 (0 cr.) EEE141+CL (4 cr.) MAT120 (3 cr.) GED 1 (3 cr.)	ENG103 (3 cr.) MAT 125 (3 cr.) MAT130 (3 cr.) EEE241+CL (4 cr.) PHY107+CL (4 cr.)
2nd Year	ENG111 (3 cr.) CSE115+CL (4 cr.) MAT250 (3 cr.) MAT350 (3 cr.) EEE111+CL (4 cr.)	MAT361 (3 cr.) EEE211+IL (3 cr.) EEE221 (3 cr.) EEE311+CL (4 cr.) PHY108 +CL (4 cr.) GED 2 (3 cr.)
3rd Year	EEE361 (3 cr.) EEE154 (1 cr.) HIS102 (3 cr.) CHE 101+CL (4 cr.) EEE299 (1 cr.) GED 3 (3 cr.) GED 4 (3 cr.)	EEE312+IL (3 cr.) EEE342+CL (4 cr.) EEE363+CL (4 cr.) BIO103+CL (4 cr.) GED 5 (3 cr.)
4th Year	EEE362+IL (3 cr.) EEE452 (3 cr.) EEE321+IL (3 cr.) ELECT1 (3 cr.) GED 6 (3 cr.) EEE499A (1.5 cr.)	ELECT2 (3 cr.) ELECT3 (3 cr.) OPEN ELECT (3 cr.) EEE499B (1.5 cr.) EEE498R (0 cr.)

Advising and Registration

- **Undergraduate advisor**
  - You will be assigned an ECE faculty as your undergraduate advisor
  - Advisor will guide you throughout your NSU life for:
    - Course selection and advising
    - Academic and administrative advise
    - Career development
    - Emotional Support

- Beginning of each semester, Students **must complete their on-line course advising** to add/drop course registration

- Please make applicable **tuition/fees payment** arrangement as required by NSU

  Steps to follow:

  Advising (partially done) → Accounting (verification) → Goto Bank to pay the amount → Come back to Registration with payment slip → "You are now OK"

- Students who advised for current semester but do not officially drop the semester will have to pay full amount before advising in the next semester.

- Please follow academic calendars as announced by NSU authority
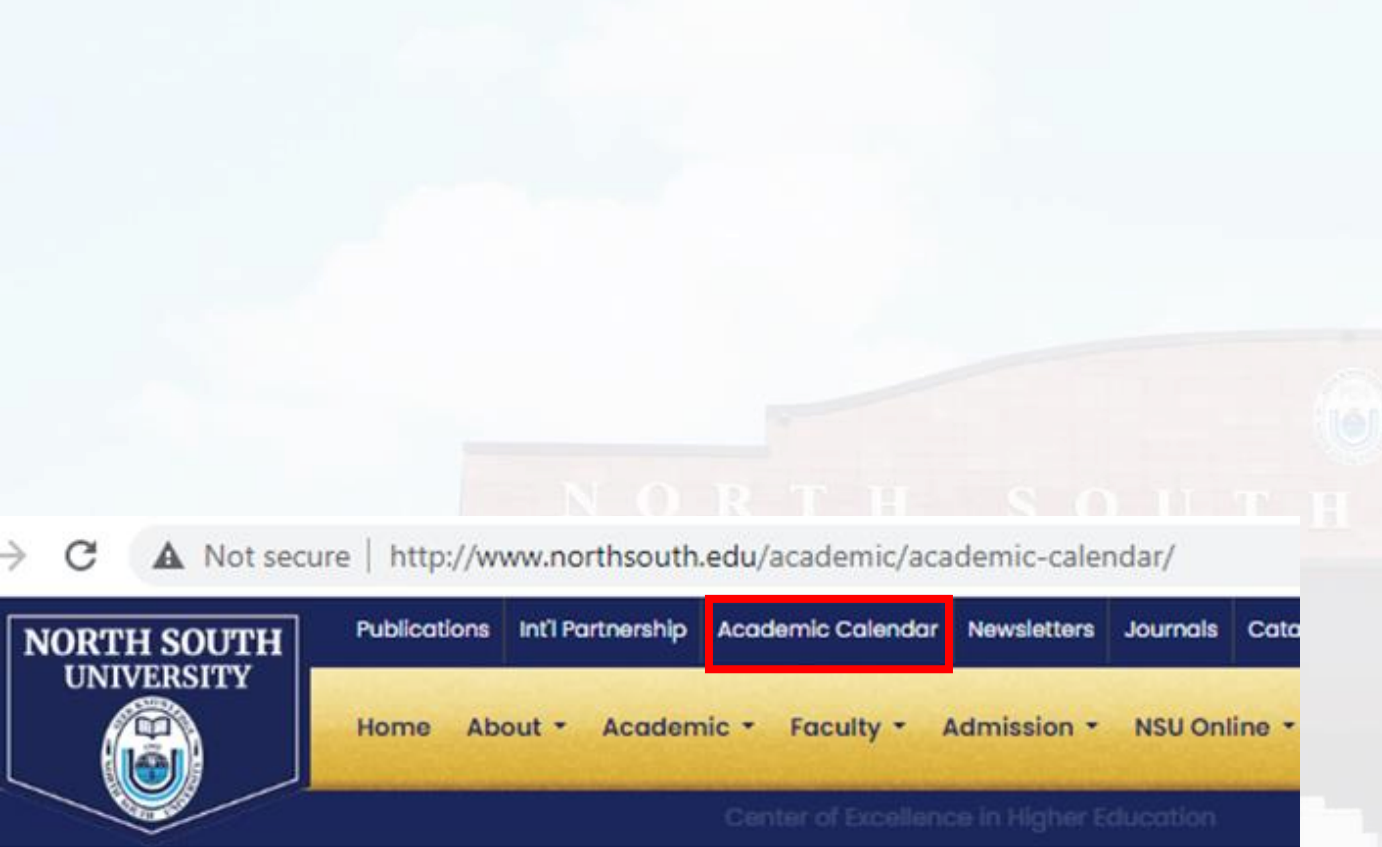
Spring 2024

Date	Day	Event
23-Jan-24	Tuesday	**Last day of grade submission Intersession 2023**
28-Jan-24	Sunday	Online course registration for regular and probation students of Spring 2024: BEGINS Online course add / drop / section change: BEGINS
1-Feb-24	Thursday	Online course registration for regular and probation students of Spring 2024: ENDS Online course add / drop / section change: ENDS
3-Feb-24	Saturday	**Orientation program for newly admitted undergraduate students of Spring 2024**
5-Feb-24	Monday	Course registration for newly admitted students of Spring 2024 Last day of section cancellation and merging
6-Feb-24	Tuesday	**Classes begin (Spring 2024)** **Payment of tuition fee: BEGINS**
15-Feb-24	Thursday	**Last day of online drop of courses with 100% refund**
19-Feb-24	Monday	**Last day of payment of tuition without late fee**
21-Feb-24	Wednesday	*Holiday-Martyrs Day & International Mother Language Day*
26-Feb-24	Monday	*Holiday- Shab-E-Barat*
27-Feb-24	Tuesday	**Last day of online drop of courses with 50% refund**
17-Mar-24	Sunday	*Holiday-Birthday of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman*
18-Mar-24	Monday	**Last day of payment of 1st installment (50% of tuition fee)**
19-Mar-24	Tuesday	Payment of tuition with late fee of Tk.2,000/-: BEGINS
26-Mar-24	Tuesday	*Holiday-Independence Day*
31-Mar-24	Sunday	Last day of payment of tuition for financial aid recipients without late fee
5-Apr-24	Friday	*Holiday- Jumatal Bidah*
7-Apr-24	Sunday	*Holiday- Laylatul Qadr*
8-Apr-24	Monday	*No Classes/Last day of online drop of courses with 0% refund with "W" grade*
9-Apr-24	Tuesday	*No Classes*
10-Apr-24	Wednesday	*Holiday- Eid Ul Fitr*
11-Apr-24	Thursday	*Holiday- Eid Ul Fitr*
12-Apr-24	Friday	*Holiday- Eid Ul Fitr*
13-Apr-24	Saturday	*No Classes*
14-Apr-24	Sunday	*Holiday-Bangla New Year*
28-Apr-24	Sunday	Last day of payment of tuition with late fee of Tk.2,000/-
29-Apr-24	Monday	**Last day of payment of 2nd installment (remaining 50% of tuition fee)**
30-Apr-24	Tuesday	Payment of tuition fee with late fee of Tk. 2,000/- +Tk. 100/- per day: BEGIN
1-May-24	Wednesday	*Holiday- May Day*
2-May-24	Thursday	**Online Teaching Evaluation: BEGINS**
22-May-24	Wednesday	*Holiday- Buddha Purnima*
23-May-24	Thursday	Last day of RA classes
25-May-24	Saturday	Regular MW classes
30-May-24	Thursday	Last day of MW classes
1-Jun-24	Saturday	Last day of ST classes, **Online Teaching Evaluation: ENDS**
2-Jun-24	Sunday	**No classes-Reading / Makeup**
3-Jun-24	Monday	**Final Exam: BEGINS**
14-Jun-24	Friday	**Final Exam: ENDS**
16-Jun-24	Sunday	*Holiday- Eid Ul Adha*
17-Jun-24	Monday	*Holiday- Eid Ul Adha*
18-Jun-24	Tuesday	*Holiday- Eid Ul Adha*
23-Jun-24	Sunday	**Last day of grade submission Spring 2024**

NORTH SOUTH UNIVERSITY

Center of Excellence in Higher Education

Publications | Int'l Partnership | Academic Calendar | Newsletters | Journals | Cata

Home | About | Academic | Faculty | Admission | NSU Online

Not secure | http://www.northsouth.edu/academic/academic-calendar/

https://northsouth.instructure.com/

How Final Grade Calculated?

- Attendance ≈ 5%

- Assignments ≈ 5%

- Quizzes (3~4) ≈ 20%

- Mid Term Examination ≈ 30%

- Projects/Research Papers/Presentations ≈ 20%

- Lab Performance ≈ 20%

- Final Exam ≈ 40%

YOU NEED TO WORK HARD THROUGHOUT A SEMESTER!

Grading System

NSU follows international standard of Letter grading system

Numerical Scores	Letter Grade	Grade Points Per Credit
93 and above	A Excellent	4.0
90 – 92	A-	3.7
87 – 89	B+	3.3
83 – 86	B Good	3.0
80 – 82	B-	2.7
77 – 79	C+	2.3
73 – 76	C Average	2.0
70 – 72	C-	1.7
67 – 69	D+	1.3
60 – 66	D Poor	1.0
Below 60	F* Failure	0.0
	I** Incomplete	0.0
	W** Withdrawal	0.0
	X** Continuation	0.0

How to calculate Cumulative Grade Point Average (CGPA)

- Students' grade-point averages are numerical values obtained by dividing the total grade points earned by the credits attempted.

- Only courses' graded A, A-, B+, B, B-, C+, C, C-, D+, D, and F are used to determine credits attempted.

Letter Grade	Grade Point	Course Credit	Point
A	4.0	3.0	4.0 *3.0 = 12.0
A-	3.7	3.0	3.7*3.0 = 11.1
B+	3.3	2.0	3.3*2.0 = 6.6

Total point earned : 12.0 + 11.1 + 6.6 = 29.7

Total credit completed: 3 + 3 + 2 = 8.0

Grade Point Average (GPA) is 29.7/8.0 = 3.71

Accident May Happen!!

- **Probation:**

  - ✖ Students with a GPA below 2.00 are placed on probation

    > **1st probation – Yellow Warning**
    > **2nd probation – Orange Warning**
    > **3rd probation – Red Warning**
    > **4th Probation - Dismissed**

  - ✖ NSU students who have been dismissed from the University may apply for readmission with some terms

  You must retake courses with F or very Low Grades

- **Help is Ready – DO NOT FEEL SHY !!!**

  - ✓ We are always ready to help you through
    - ➤ Academic counseling
    - ➤ Personal advice

  - ✓ NSU Counseling Center (SAC - 4th floor) can be a great help for emotional support

Students' Engagement

- **ECE students are involved in different professional organization and societies such as IEEE & ACM**
  - IEEE NSU Student Branch
  - IEEE RAS SC
  - IEEE PES SC
  - IEEE NSU WIE
  - IEEE NSU IAS
  - ACM Student Chapter
  - NSU ACM-W Student Chapter
  - NSU ACM SIGAPP Student Chapter
- **Students are also engaged various extra-curricular and social activities through student clubs, such as**

INSB Receiving IEEE R-10 exemplary student branch award - 2018

1. Art & Photography Club 2. Computer & Engineering Club	1. Earth Club 2. Public Health & Sciences Club 3. Pharmaceutical Club	1. Communications Club 2. Ethics and Diversity Club 3. Law and Mooting Society 4. Model UN Club	1. Finance Club 2. Human Resources Club 3. Marketing Club 4. MBA Club 5. Young Economists Forum 6. Young Entrepreneurs Society	1. Athletics Club 2. Cine & Drama Club 3. Debate Club 4. Sangskritkik Sangathan 5. Social Services Club

Technical Segments

Electrathon

Playing with Pixels
(Image Processing &
Computer Vision)

Python Workshop

IoT for Tomorrow

Student Professional Awareness Conference
(SPAC)

IEEE PES, IEEE RAS for Kids (Humanitarian Event)

Gaming Contest

Innovation Challenge Season 7

Hour of Code-2018

Linux Workshop

HackNSU-2019

Drone Workshop

Sports

Art and Cultural

Social Services

Blood Donation

Eid Gift to Needy

Winter Cloth Distribution

Annual Doa Mahfil

Against the Drug and Smoke

Sharing Iftar

On National Days

এন.এস.ইউ এর বুকে বাংলাদেশ

A human map created by NSU students

Learning gets better with sharing.

"Success is not final; failure is not fatal; it is the courage to continue that counts."
Winston Churchill

Contaminated
food and water

make us sick