# Noakhali Science and Technology University

**Noakhali - 3814, Bangladesh**

## TRANSCRIPT OF ACADEMIC RECORDS

*[ This transcript contains 5 pages (including this page) ]*

Degree awarded

**Bachelor of Science in Information and Communication Engineering**
**Abbreviated as B.Sc. Engg. (ICE)**

| | |
|---|---|
| Student name | **Niloy Das** |
| Student ID | **MUH2011046M** |
| Date of birth | **04 December, 2001** |
| Session | **2019-2020** |
| Scheduled year of final examination | **2023** |
| Final examination held in | **2025** |
| Date of final result publication | **18 August, 2025** |
| Number of students enrolled in the final term | **49** |
| Total credits completed | **171.00** |
| Cumulative Grade Point Average (CGPA) earned | **3.90** |
| Merit position | **1st** |
| Medium of instruction | **English** |

Prepared by:

Verified by:

Date: 21/09/2025

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## GRADING SYSTEM

| Range | Grade point | Grade |
|---|---|---|
| 80% or Above | 4.00 | A+ |
| 75% - 79% | 3.75 | A |
| 70% - 74% | 3.50 | A- |
| 65% - 69% | 3.25 | B+ |
| 60% - 64% | 3.00 | B |
| 55% - 59% | 2.75 | B- |
| 50% - 54% | 2.50 | C+ |
| 45% - 49% | 2.25 | C |
| 40% - 44% | 2.00 | D |
| <40% | 0.00 | F |

Grade Point Average (GPA) = $\frac{\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{n} C_i}$

Cumulative Grade Point Average (CGPA) = $\frac{\sum_{i=1}^{m} C_i G_i}{\sum_{i=1}^{m} C_i}$

Where,
***n*** is the number of courses passed by the student in a term
***m*** is the total number of courses passed by the student for completion of the degree
***Ci*** is the number of credits assigned to a particular course ***i***
***Gi*** is the grade point corresponding to the grade awarded to ***i-th*** course.

**Minimum credits required for awarding of degree = 160.00 | Minimum CGPA attainable = 2.20**

# Noakhali Science and Technology University

Noakhali - 3814, Bangladesh

## DETAILS OF ACADEMIC RECORDS

**Name: Niloy Das** **Student ID: MUH2011046M**

### 1st Year 1st Term Examination

**Held in: August 2021**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-1101 | Information Technology Fundamentals | 3.00 | 4.00 | A+ |
| ICE-1102 | Information Technology Fundamentals Lab | 1.00 | 4.00 | A+ |
| ICE-1103 | Electrical Circuits | 3.00 | 4.00 | A+ |
| ICE-1104 | Electrical Circuits Lab | 1.00 | 3.75 | A |
| ICE-1105 | Introduction to Programming Environment | 2.00 | 3.50 | A- |
| ICE-1108 | Engineering Drawing (Lab) | 1.00 | 4.00 | A+ |
| BANG-1101 | Bangla Bhasha | 3.00 | 3.75 | A |
| ENG-1109 | Technical & Communication English | 2.00 | 3.75 | A |
| HUM-1105 | Economics | 2.00 | 4.00 | A+ |
| MATH-1111 | Differential and Integral Calculus | 3.00 | 3.50 | A- |
| PHY-1103 | Physics | 2.00 | 4.00 | A+ |

**Credits earned: 23 out of 23** **TGPA: 3.83**

### 1st Year 2nd Term Examination

**Held in: December 2021**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-1200 | Viva–Voce | 1.00 | 3.00 | B |
| ICE-1201 | Electronics-I (Semiconductor, Semiconductor Diodes and Transistor) | 3.00 | 4.00 | A+ |
| ICE-1202 | Electronics-I (Semiconductor, Semiconductor Diodes and Transistor) Lab | 1.00 | 4.00 | A+ |
| ICE-1203 | Discrete Mathematics | 3.00 | 3.75 | A |
| ICE-1205 | Computer Programming with C | 3.00 | 4.00 | A+ |
| ICE-1206 | Programming with C Lab | 1.00 | 3.00 | B |
| BMS-1201 | History of the Emergence of Independent Bangladesh | 3.00 | 3.75 | A |
| HUM-1207 | Financial and Managerial Accounting | 2.00 | 4.00 | A+ |
| MATH-1211 | Linear Algebra, Geometry and Trigonometry | 3.00 | 3.75 | A |

**Credits earned: 20 out of 20** **TGPA: 3.79**

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# Noakhali Science and Technology University

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## DETAILS OF ACADEMIC RECORDS

**Name: Niloy Das** **Student ID: MUH2011046M**

### 2nd Year 1st Term Examination

**Held in: June 2022**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-2101 | Electronic II (Electronic Devices and Circuits) | 3.00 | 4.00 | A+ |
| ICE-2102 | Electronic II (Electronic Devices and Circuits) Lab | 1.00 | 4.00 | A+ |
| ICE-2103 | Object Oriented Programming (C++) | 3.00 | 3.75 | A |
| ICE-2104 | Object Oriented Programming (C++) Lab | 1.00 | 4.00 | A+ |
| ICE-2105 | Data Structure | 3.00 | 4.00 | A+ |
| ICE-2106 | Data Structure Lab | 1.00 | 4.00 | A+ |
| ICE-2107 | Computer Organization and Architecture | 3.00 | 4.00 | A+ |
| ICE-2109 | Digital Logic Design | 3.00 | 4.00 | A+ |
| ICE-2110 | Digital Logic Design Lab | 1.00 | 4.00 | A+ |
| MATH-2113 | Vector, Matrix and Numerical Analysis | 3.00 | 4.00 | A+ |

**Credits earned: 22 out of 22** **TGPA: 3.97**

### 2nd Year 2nd Term Examination

**Held in: December 2022**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-2200 | Seminar/Viva-Voce | 1.00 | 3.50 | A- |
| ICE-2201 | Programming with Java | 3.00 | 4.00 | A+ |
| ICE-2202 | Programing with Java Lab | 1.00 | 4.00 | A+ |
| ICE-2203 | Data Communication | 3.00 | 4.00 | A+ |
| ICE-2204 | Data Communication Lab | 1.00 | 4.00 | A+ |
| ICE-2205 | Algorithm Design and Analysis | 3.00 | 4.00 | A+ |
| ICE-2206 | Algorithm Design and Analysis Lab | 1.00 | 4.00 | A+ |
| ICE-2207 | Database Management System | 3.00 | 4.00 | A+ |
| ICE-2208 | Database Management System Lab | 1.00 | 4.00 | A+ |
| ICE-2209 | Electromagnetic Fields and Waves | 2.00 | 4.00 | A+ |
| MATH-2211 | Laplace, Fourier Series and Complex Variables | 3.00 | 4.00 | A+ |

**Credits earned: 22 out of 22** **TGPA: 3.98**

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Date: 21/09/2025

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# Noakhali Science and Technology University

Noakhali - 3814, Bangladesh

## DETAILS OF ACADEMIC RECORDS

**Name: Niloy Das** **Student ID: MUH2011046M**

### 3rd Year 1st Term Examination

**Held in: June 2023**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-3101 | Microprocessor and Interfacing | 3.00 | 4.00 | A+ |
| ICE-3102 | Microprocessor and Interfacing Lab | 1.00 | 4.00 | A+ |
| ICE-3103 | Microwave Engineering | 3.00 | 3.75 | A |
| ICE-3104 | Microwave Engineering Lab | 1.00 | 3.75 | A |
| ICE-3105 | Operating System | 3.00 | 4.00 | A+ |
| ICE-3106 | Operating System Lab | 1.00 | 3.25 | B+ |
| ICE-3107 | Signals and Systems | 3.00 | 4.00 | A+ |
| ICE-3108 | Signals and Systems Lab | 1.00 | 4.00 | A+ |
| ICE-3109 | Peripheral Interfacing and Embedded System | 3.00 | 4.00 | A+ |
| MATH-3113 | Statistics | 3.00 | 4.00 | A+ |

**Credits earned: 22 out of 22** **TGPA: 3.92**

### 3rd Year 2nd Term Examination

**Held in: December 2023**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-3200 | Industrial Training and Seminar/Viva-Voce | 2.00 | 4.00 | A+ |
| ICE-3201 | Digital Signal Processing | 3.00 | 4.00 | A+ |
| ICE-3202 | Digital Signal Processing Lab | 1.00 | 3.75 | A |
| ICE-3203 | Internet and Web Programming | 2.00 | 4.00 | A+ |
| ICE-3204 | Internet and Web Programming Lab | 1.00 | 4.00 | A+ |
| ICE-3205 | Computer Networks | 3.00 | 3.75 | A |
| ICE-3206 | Networking Planning and Design Lab | 1.00 | 3.50 | A- |
| ICE-3207 | System Analysis and Design | 3.00 | 4.00 | A+ |
| ICE-3209 | Computer Graphics | 3.00 | 4.00 | A+ |
| ICE-3210 | Computer Graphics Lab | 1.00 | 3.75 | A |

**Credits earned: 20 out of 20** **TGPA: 3.91**

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Date: 21/09/2025

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# Noakhali Science and Technology University

Noakhali - 3814, Bangladesh

## DETAILS OF ACADEMIC RECORDS

**Name: Niloy Das** **Student ID: MUH2011046M**

### 4th Year 1st Term Examination

**Held in: October 2024**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-4101 | Artificial Intelligence and Neural Networks | 3.00 | 4.00 | A+ |
| ICE-4102 | Artificial Intelligence and Neural Networks Lab | 1.00 | 4.00 | A+ |
| ICE-4103 | Software Engineering | 3.00 | 4.00 | A+ |
| ICE-4104 | Software Engineering Lab | 1.00 | 3.75 | A |
| ICE-4105 | Antenna and Satellite Communication | 3.00 | 4.00 | A+ |
| ICE-4106 | Antenna and Satellite Communication Lab | 1.00 | 3.75 | A |
| ICE-4107 | Wireless and Mobile Communication | 3.00 | 4.00 | A+ |
| ICE-4108 | Wireless and Mobile Communication Lab | 1.00 | 4.00 | A+ |
| ICE-4109 | Simulation and Modeling | 3.00 | 4.00 | A+ |
| ICE-4110 | Project and Thesis | 2.00 | 4.00 | A+ |

**Credits earned: 21 out of 21** **TGPA: 3.98**

### 4th Year 2nd Term Examination

**Held in: April 2025**

| Course code | Course title | Credits | GP | Grade |
|---|---|---|---|---|
| ICE-4200 | Seminar/Viva-Voce | 1.00 | 3.50 | A- |
| ICE-4201 | Optical Communication | 3.00 | 4.00 | A+ |
| ICE-4202 | Optical Communication Lab | 1.00 | 4.00 | A+ |
| ICE-4203 | Cryptography and Information Security | 3.00 | 3.75 | A |
| ICE-4204 | Cryptography and Information Security Lab | 1.00 | 4.00 | A+ |
| ICE-4205 | Multimedia Communication | 3.00 | 4.00 | A+ |
| ICE-4206 | Multimedia Communication Lab | 1.00 | 4.00 | A+ |
| ICE-4207 | Digital Image Processing | 3.00 | 3.75 | A |
| ICE-4208 | Digital Image Processing Lab | 1.00 | 4.00 | A+ |
| ICE-4218 | Project and Thesis | 4.00 | 3.75 | A |

**Credits earned: 21 out of 21** **TGPA: 3.86**

**Total credits earned: 171 out of 171** **CGPA: 3.90**

*** End of Transcript ***

Prepared by:

Verified by:

Date: 21/09/2025

Controller of Examinations