



Provisional Certificate
**Bachelor of Science (Engineering) in Electrical and
Electronic Engineering**

This is to certify that

Md. Sumon Ali

student No. 2002275 having successfully completed the course of studies approved by Hajee Mohammad Danesh Science and Technology University has been awarded the degree of **Bachelor of Science (Engineering) in Electrical and Electronic Engineering** under the Faculty of Computer Science and Engineering in 2023 obtaining CGPA 3.245 out of 4

Administrative Building

HSTU, Dinajpur

Publication Date of Result: 25-08-2025

Date of Issue: 31-08-2025

Prepared by *Indira*

Mabulm

Registrar

Checked by *[Signature]*

Attested
[Signature]
04.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur-5200

This Provisional Certificate shall be returned at the time of receipt of the Original Certificate.



Hajee Mohammad Danesh Science and Technology University
Dinajpur-5200, Bangladesh

Migration Certificate

This is to certify that Md. Sumon Ali
son/daughter Md. Moklasur Rahman studied in Hajee
Mohammad Danesh Science and Technology University till year 2020-2023
for B.Sc. (Engineering) in Electrical and Electronic Engineering degree. In
this university his/her Registration No is 2002275.

There is no objection if he/she leaves this University and may take admission
in any other Institution/University of the world.

I wish him/her every success in life.

Date: 01-09-2025



Mabrum

Registrar

ST
01.09.2025

Attested
04.09.2025

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur-5200



Memo No :

Date :



Certificate for Medium of Instruction

This is to certify that **Md. Sumon Ali** son of Md. Moklasur Rahman and Sumsun Nahar bearing the student number 2002275 was a student under the Faculty of Computer Science and Engineering of this University. He is very energetic, efficient, responsible, sincere and committed to his studies. The medium of instruction of this university is English. So, he performed all the theoretical and practical classes in English.

I wish every success in his life.

Checked by

Dated:

[Signature]
31.08.2025

Md. Nazrul Islam
Deputy Director
Dean Office, Faculty of CSE
HSTU, Dinajpur

[Signature]
31.08.25

Dean
Faculty of Computer Science & Engineering
Hajee Mohammad Danesh Science
& Technology University, Dinajpur.

[Signature]
84.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur-5200



Memo No :

Date :



Testimonial

This is to certify that **Md. Sumon Ali** son of Md. Moklasur Rahman and Sumsun Nahar bearing the student number 2002275 was a student of this University. He has completed all the required courses for the B.Sc. (Engineering) in Electrical and Electronic Engineering degree. The final Semester Examination 2023 was held on 2025 and he has obtained CGPA 3.245 out of 4. He has also earned 155.50 credits.

The duration of the degree was of four years (Eight Semesters) and the medium of instruction was English.

To the best of my knowledge he did not take part in any activity subversive of the state or of discipline. He bears a good moral character.

I wish him all success in life.

Checked by

Dated

[Signature]
31.08.2025

Md. Nazrul Islam
Deputy Director
Dean Office, Faculty of CSE
HSTU, Dinajpur

[Signature]
Dean 31.08.25

Faculty of Computer Science & Engineering
Hajee Mohammad Danesh Science
& Technology University, Dinajpur.

[Signature]
04.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur-5200

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY
DINAJPUR, BANGLADESH



TRANSCRIPT OF ACADEMIC RECORDS

Name of the Student	§	Md. Sumon Ali
Student Number	§	2002275
Faculty	§	Computer Science and Engineering
Degree Awarded	§	Bachelor of Science (Engineering) in Electrical and Electronic Engineering, abbreviated as B.Sc. (Engineering) in E.E.E.
Course Duration	§	4 (Four) years
Total Semesters Attended	§	8 (Eight) Semesters
Sessions Attended	§	2020 to 2023
Date of Publication of Results	§	25th August, 2025
Total Credits Required for the Degree	§	155.5
Total Credits Earned by the Student	§	155.5
Cumulative Grade Point Average (CGPA) Earned out of 4.00	§	3.245
Highest CGPA in this Batch	§	3.867

Attested
04.09.25
Mr. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and Technology University, Dinajpur - 5200

This transcript contains Nine (9) pages including this page

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter	Grade Point	Numeric Equivalent	Letter	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

$$\text{GPA / CGPA} = \frac{\text{Summation of (Number of Credits in a Course } \times \text{ Grade Point Earned in that Course)}}{\text{Total Number of Credits Earned}}$$

- a) F grade is not counted for GPA and CGPA Calculations
b) Minimum CGPA requirement for awarding of degree = 2.25

Legend

T= Theoretical * = Grade Improvement Result
S= Sessional ** = 'F' Grade Recovery Result
P= Practical I = Internship

V = Viva Voce

GPA= Grade Point Average

CGPA=Cumulative Grade Point Average

SAT= Satisfactory

USAT=Unsatisfactory

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-I Semester-I Examination 2020

25th June Semester 2020

Faculty of Computer Science and Engineering

Name of the Student : Md. Samim Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE101	Electrical Circuits-I (T)	3.00	B-	2.75
EEE102	Electrical Circuits-I (S)	1.50	A	3.75
MAT129	Calculus-I (T)	3.00	B+	3.25
MAT131	Calculus-II (T)	3.00	B+	3.25
PHY115	Mechanics, Waves and Oscillations, Optics and Thermal Physics (T)	3.00	B+	3.25
PHY116	Mechanics, Waves and Oscillations, Optics and Thermal Physics (S)	0.75	A-	3.50
CHE117	General Chemistry (T)	3.00	B+	3.25
CHE118	General Chemistry (S)	0.75	B-	2.75
CIE116	Details of Estimating (S)	1.50	B+	3.25

Total Credit Hours Offered in this Semester : 19.50

Total Credit Hours Earned in this Semester : 19.50

GPA : 3.202

Total Credit Hours (up to this Semester) : 19.50

Total Credit Hours Earned (up to this Semester) : 19.50

CGPA : 3.202

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-I Semester-II Examination 2020

Jul-Dec Semester 2020

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE151	Electrical Circuits-II (T)	3.00	B-	2.75
EEE152	Electrical Circuits-II (S)	1.50	A-	3.50
EEE154	Electrical Circuit Simulation Laboratory (S)	1.50	A	3.75
CSE163	Computer Programming (T)	3.00	C	2.25
CSE164	Computer Programming (S)	0.75	C+	2.50
MAT135	Ordinary and Partial Differential Equations (T)	3.00	A	3.75
PHY133	Modern Physics, Electricity and Magnetism (T)	3.00	B	3.00
PHY134	Modern Physics, Electricity and Magnetism (S)	0.75	B+	3.25
SOC121	Sociology (T)	2.00	B	3.00

Total Credit Hours Offered in this Semester : 18.50

Total Credit Hours Earned in this Semester : 18.50

Total Credit Hours (up to this Semester) : 38.00

Total Credit Hours Earned (up to this Semester) : 38.00

GPA : 3.051

CGPA : 3.128

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-2 Semester-I Examination 2021

Jan-June Semester 2021

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE201	Electronics-I (T)	3.00	B	3.00
EEE202	Electronics-I (S)	1.50	A+	4.00
EEE205	Electrical Machine-I (T)	1.00	B+	2.75
EEE206	Electrical Machine-I (S)	1.50	A+	4.00
EEE207	Electromagnetic Fields and Waves (T)	3.00	B-	2.75
EEE204	Electronics Circuit Simulation Laboratory (S)	0.75	A-	3.50
MAT213	Linear Algebra (T)	2.00	A	3.75
ECE207	Signals and Systems (T)	3.00	B+	3.25
SSL223	English Language (T)	2.00	A-	3.50

Total Credit Hours Offered in this Semester : 19.75

Total Credit Hours Earned in this Semester : 19.75

Total Credit Hours (up to this Semester) : 57.75

Total Credit Hours Earned (up to this Semester) : 57.75

GPA : 3.259

CGPA : 3.173

Prepared by :

Verified by :

Date of Issue : August 27, 2021

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student-2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-2 Semester-II Examination 2021

Jul-Dec Semester 2021

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EFE251	Electrical Machine-II (T)	3.00	B+	3.25
EEE252	Electrical Machine-II (S)	1.50	A-	3.50
EEE253	Electronics-II (T)	3.00	A+	4.00
EEE254	Electronics-II (S)	1.50	A-	3.50
EEE255	Numerical Methods in Engineering (T)	3.00	B	3.00
AIE227	Mechanical Engineering Fundamentals (T)	3.00	B	3.00
AIE228	Mechanical Engineering Fundamentals (S)	0.75	B	3.00
ECN277	Fundamentals of Economics (T)	2.00	B-	2.75
STT223	Basic Statistics and Probability (T)	3.00	A-	3.50

Total Credit Hours Offered in this Semester : 20.75

Total Credit Hours Earned in this Semester : 20.75

GPA : 3.301

Total Credit Hours (up to this Semester) : 78.50

Total Credit Hours Earned (up to this Semester) : 78.50

CGPA : 3.207

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-3 Semester-1 Examination 2022

Jan-June Semester 2022

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE301	Optoelectronics (T)	3.00	B	3.00
EEE303	Digital Electronics (T)	3.00	B	3.00
EEE304	Orignal Electronics (S)	1.50	A	3.75
EEE305	Transmission & Distribution of Electrical Power (T)	3.00	A-	3.50
EEE307	Electrical Properties of Material (T)	3.00	B	3.00
EEE310	Electrical Services Design (S)	1.50	A-	3.50
EEE313	Communication Theory (T)	3.00	B-	2.75
EEE314	Communication Theory (S)	0.75	A+	4.00
ACT305	Financial and Managerial Accounting (T)	2.00	C+	2.50
Total Credit Hours Offered in this Semester		20.75		
Total Credit Hours Earned in this Semester		20.75		
Total Credit Hours (up to this Semester)		99.25		
Total Credit Hours Earned (up to this Semester)		99.25		
GPA :				3.114
CGPA :				3.188

Prepared by :

Verified by :

Controller of Examinations

Date of issue : August 27, 2025

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%
T= Theoretical I= Internship SAT= Satisfactory V= Viva Voce			GPA= Grade Point Average		
P= Practical S= Sessional USAT=Unsatisfactory			CGPA=Cumulative Grade Point Average		

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-3 Semester-II Examination 2022

Jul-Dec Semester 2022

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE351	Industrial and Power Electronics (T)	3.00	B	3.00
EEE352	Industrial and Power Electronics (S)	1.50	A+	4.00
EEE353	Digital Signal Processing (T)	3.00	B+	3.25
EEE354	Digital Signal Processing (S)	1.50	A+	4.00
EEE355	Power System-I (T)	3.00	B+	3.25
EEE356	Power System-I (S)	1.50	A	3.75
CSE365	Microprocessor and Interfacing (T)	3.00	D	2.00
CSE366	Microprocessor and Interfacing (S)	0.75	B+	3.25
MGT309	Industrial Management (T)	2.00	A-	3.50

Total Credit Hours Offered in this Semester : 19.25

Total Credit Hours Earned in this Semester : 19.25

GPA : 3.198

Total Credit Hours (up to this Semester) : 118.50

Total Credit Hours Earned (up to this Semester) : 118.50

CGPA : 3.182

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-3 Semester-II Examination 2022

Jul-Dec Semester 2022

Faculty of Computer Science and Engineering

Name of the Student : Md. Samon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE351	Industrial and Power Electronics (T)	3.00	B	3.00
EEE352	Industrial and Power Electronics (S)	1.50	A+	4.00
EEE353	Digital Signal Processing (T)	3.00	B+	3.25
EEE354	Digital Signal Processing (S)	1.50	A+	4.00
EEE355	Power System-I (T)	3.00	B+	3.25
EEE356	Power System-I (S)	1.50	A	3.75
CSE365	Microprocessor and Interfacing (T)	3.00	D	2.00
CSE366	Microprocessor and Interfacing (S)	0.75	B+	3.25
MGT309	Industrial Management (T)	2.00	A-	3.50

Total Credit Hours Offered in this Semester : 19.25

Total Credit Hours Earned in this Semester : 19.25

GPA : 3.198

Total Credit Hours (up to this Semester) : 118.50

Total Credit Hours Earned (up to this Semester) : 118.50

CGPA : 3.183

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical I= Internship SAT= Satisfactory V= Viva Voce

P= Practical S= Sessional USAT=Unsatisfactory

GPA= Grade Point Average

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-4 Semester-1 Examination 2023

Jan-June Semester 2023

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE401	Solid State Devices & VLSI (T)	3.00	B+	3.25
EEE403	Control System (T)	3.00	B+	3.25
EEE404	Control System (S)	1.50	A-	3.50
EEE409	Optical Fiber Communication (T)	3.00	A	3.75
EEE415	Power System Protection (T)	3.00	A-	3.50
EEE416	Power System Protection (S)	1.50	B+	3.25
EEE444	Project and Thesis	3.00	A+	4.00

Total Credit Hours Offered in this Semester : 18.00

Total Credit Hours Earned in this Semester : 18.00

GPA : 3.521

Total Credit Hours (up to this Semester) : 136.50

CGPA : 3.233

Total Credit Hours Earned (up to this Semester) : 136.50

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-4 Semester-I Examination 2023

Jan-June Semester 2023

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumon Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE401	Solid State Devices & VLSI (T)	3.00	B+	3.25
EEE403	Control System (T)	3.00	B+	3.25
EEE404	Control System (S)	1.50	A-	3.50
EEE409	Optical Fiber Communication (T)	3.00	A	3.75
EEE415	Power System Protection (T)	3.00	A-	3.50
EEE416	Power System Protection (S)	1.50	B+	3.25
EEE444	Project and Thesis	3.00	A+	4.00

Total Credit Hours Offered in this Semester : 18.00

Total Credit Hours Earned in this Semester : 18.00

GPA : 3.521

Total Credit Hours (up to this Semester) : 136.50

Total Credit Hours Earned (up to this Semester) : 136.50

CGPA : 3.233

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

HAJEE MOHAMMAD DANESH SCIENCE AND TECHNOLOGY UNIVERSITY DINAJPUR, BANGLADESH



Details of Academic Record

B.Sc. (Engineering) in E.E.E. Level-4 Semester-II Examination 2023

Jul-Dec Semester 2023

Faculty of Computer Science and Engineering

Name of the Student : Md. Sumua Ali

Student Number : 2002275

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE451	Microcontroller Based System Design (T)	3.00	B-	2.75
EEE452	Microcontroller Based System Design (S)	1.50	A+	4.00
EEE453	Renewable Energy (T)	3.00	B-	2.75
EEE454	Renewable Energy (S)	1.50	A-	3.50
EEE459	Power Plant Engineering and Economy (T)	3.00	A-	3.50
EEE465	Mobile Cellular Communication (T)	3.00	P	3.00
EEE488	Project and Thesis	3.00	A+	4.00
EEE480	Industrial Training (S)	1.00	A+	4.00

Total Credit Hours Offered in this Semester : 19.00

Total Credit Hours Earned in this Semester : 19.00

Total Credit Hours (up to this Semester) : 155.50

Total Credit Hours Earned (up to this Semester) : 155.20

GPA : 3.329

CGPA : 3.245

Attested
04.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and Technology University, Dinaipur - 5200

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controller of Examinations

Grading System

Letter Grade	Grade Point	Numeric Equivalent	Letter Grade	Grade Point	Numeric Equivalent
A+	4.00	80% and above	B-	2.75	55% to less than 60%
A	3.75	75% to less than 80%	C+	2.50	50% to less than 55%
A-	3.50	70% to less than 75%	C	2.25	45% to less than 50%
B+	3.25	65% to less than 70%	D	2.00	40% to less than 45%
B	3.00	60% to less than 65%	F	0.00	less than 40%

T= Theoretical

I= Internship

SAT= Satisfactory

V= Viva Voce

GPA= Grade Point Average

P= Practical

S= Sessional

USAT=Unsatisfactory

CGPA=Cumulative Grade Point Average

a) Minimum GPA requirement to be a regular student=2.25

b) Final CGPA will be declared after completion of the 8 semesters required for obtaining this degree

মোঃ মিজানুর রহমান
সহযোগী অধ্যাপক
ইলেকট্রিক্যাল এন্ড ইলেকট্রনিক ইঞ্জিনিয়ারিং বিভাগ
হাজী মোহাম্মদ দানেশ বিজ্ঞান ও প্রযুক্তি বিশ্ববিদ্যালয়
দিনাজপুর-৫২০০, বাংলাদেশ
ইমেইলঃ mizan.eee@hstu.ac.bd



Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science
and Technology University,
Dinajpur-5200, Bangladesh.
Email: mizan.eee@hstu.ac.bd

Date: 02-09-2025

LETTER OF RECOMMENDATION

I am pleased to recommend Md. Sumon Ali for admission to your Master's program. As an Associate Professor in the Department of Electrical and Electronic Engineering at Hajee Mohammad Danesh Science and Technology University, I have taught Sumon in several courses and observed his steady academic and professional growth.

Sumon is a sincere and hardworking student with a CGPA of 3.245/4.00. He performed particularly well in the areas related to power systems, power electronics, and renewable integration, where his analytical approach and commitment were evident. For his undergraduate thesis, Grid Stabilization for EV Charging Stations, he studied the impact of large-scale EV penetration on grid performance, focusing on issues such as voltage dips, harmonic distortion, and transformer loading. His work showed a clear ability to apply theory to practical problems, using MATLAB/Simulink effectively to design and test filter-based solutions for improved grid stability.

Beyond his thesis, Sumon gained practical exposure during his internship at Ashuganj Power Station Company Limited (APSCL), where he worked on turbine and generator monitoring and efficiency analysis. He also engaged in project-based learning, contributing to designs such as a solar-assisted smart home system and robotics applications. These experiences demonstrate his technical capability, problem-solving mindset, and teamwork skills.

I believe Sumon has the determination and ability to succeed in graduate studies. He is disciplined, focused, and prepared to take on advanced research in power and energy systems. I strongly recommend him for admission to your program.

Best Regards

Md. Mizanur Rahman
Associate Professor

Department of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and Technology University
Dinajpur-5200, Bangladesh.
Mobile No: +8801728291232
E-mail: mizan.eee@hstu.ac.bd

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur -5200



Hajee Mohammad Danesh Science and Technology University

Department of Electrical and Electronic Engineering

Faculty of Computer Science and Engineering

Date: 31.08.2025

LETTER OF RECOMMENDATION

I am delighted to recommend Md. Sumon Ali for admission to the Master's program. I have had the pleasure of knowing Sumon for the last four years, as an instructor and subsequently as a supervisor in the Department of Electrical and Electronic Engineering at Hajee Mohammad Danesh Science and Technology University (HSTU). Throughout this period, I have observed his outstanding academic performance, technical skills, and research capabilities.

Sumon has consistently shown a responsible attitude toward learning and research. His CGPA of 3.245/4.00 reflects steady progress in a demanding curriculum. In his thesis project, Grid Stabilization for EV Charging Stations, he investigated disturbances in grid-connected charging networks and proposed solutions using LCL filters and converter modeling in MATLAB/Simulink. I was impressed by his ability to design models independently, analyze results, and articulate his findings. His input can significantly aid upcoming studies on microgrid stability and intelligent EV charging systems.

In addition to his research, Sumon gained industry exposure during his internship at Ashuganj Power Station Company Limited (APSCL). He investigated the plant performance evaluation and suggested preventive maintenance approaches, which reflects his ability to apply classroom knowledge to real engineering challenges. He has also been active in hands-on academic projects, working on automation, robotics, and renewable energy applications, which show his creativity and interest in practical innovation.

Sumon is reliable, cooperative, and dedicated to his academic pursuits. I believe he will adapt well to graduate-level coursework and research. I therefore recommend him with confidence for admission to your Master's program.

31.08.2025

Md. Ilius Hasan Pathan

Assistant Professor

Department of Electrical and Electronic Engineering

Hajee Mohammad Danesh Science and Technology University

Dinajpur-5200, Bangladesh.

Mob: +8801914105407

Email: pmilius2501@gmail.com

Md. Ilius Hasan Pathan
Assistant Professor
Dept. of Electrical & Electronic
Engineering (EEE)
Hajee Mohammad Danesh Science
and Technology University, Dinajpur



Hajee Mohammad Danesh Science and Technology University
Department of Electrical and Electronic Engineering
Faculty of Computer Science and Engineering

Date: 31.08.2025

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31.08.2025

Md. Ilius Hasan Pathan

Assistant Professor

Department of Electrical and Electronic Engineering

Hajee Mohammad Danesh Science and Technology University

Dinajpur-5200, Bangladesh.

Mob: +8801914105407

Email: pmilius2501@gmail.com

Md. Ilius Hasan Pathan
Assistant Professor
Dept. of Electrical & Electronic
Engineering (EEE)
Hajee Mohammad Danesh Science
and Technology University, Dinajpur



Hajee Mohammad Danesh Science and Technology University

Department of Electrical and Electronic Engineering

Faculty of Computer Science and Engineering

Date: 31.08.2025

LETTER OF RECOMMENDATION

I am delighted to recommend Md. Sumon Ali for admission to the Master's program. I have had the pleasure of knowing Sumon for the last four years, as an instructor and subsequently as a supervisor in the Department of Electrical and Electronic Engineering at Hajee Mohammad Danesh Science and Technology University (HSTU). Throughout this period, I have observed his outstanding academic performance, technical skills, and research capabilities.

Sumon has consistently shown a responsible attitude toward learning and research. His CGPA of 3.245/4.00 reflects steady progress in a demanding curriculum. In his thesis project, Grid Stabilization for EV Charging Stations, he investigated disturbances in grid-connected charging networks and proposed solutions using LCL filters and converter modeling in MATLAB/Simulink. I was impressed by his ability to design models independently, analyze results, and articulate his findings. His input can significantly aid upcoming studies on microgrid stability and intelligent EV charging systems.

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Sumon is reliable, cooperative, and dedicated to his academic pursuits. I believe he will adapt well to graduate-level coursework and research. I therefore recommend him with confidence for admission to your Master's program.

31.08.2025

Md. Ilius Hasan Pathan

Assistant Professor

Department of Electrical and Electronic Engineering

Hajee Mohammad Danesh Science and Technology University

Dinajpur-5200, Bangladesh.

Mob: +8801914105407

Email: pmilius2501@gmail.com

Md. Ilius Hasan Pathan
Assistant Professor
Dept. of Electrical & Electronic
Engineering (EEE)
Hajee Mohammad Danesh Science
and Technology University, Dinajpur

Board of Intermediate and Secondary Education, Dinajpur
Bangladesh

DBCC Serial No. 180-052397
Serial No. DIN 17- 0089671



Roll No. 108226
Registration No. 1318848655/2016-17
Centre 763 - Barabhatpur-3

Higher Secondary Certificate Examination - 2018

This is to certify that

Md. Sumon Ali

son/daughter of

Md. Moklaux Rahman and Sumson Nahar
of

Parbatipur Adarsha College, Dinajpur

duly passed the Higher Secondary Certificate Examination in
Science group

held in the month of April- May, 2018 securing GPA 3.50 in the scale of 5.00.

Attested
on 6.6.18

Md. Mizanur Rahman
Assistant Professor
Department of Education
University of Chittagong
Chittagong

Controller of Examinations

Date of passing: Dinajpur, July 19, 2018



Board of Intermediate and Secondary Education, Dinajpur
Bangladesh

ACADEMIC TRANSCRIPT

Serial No. DIN17-

0046626

Letter Grade	Class Interval(%)	Grade Point
A+	80 - 100	5
A	70 - 79	4
A-	60 - 69	3.5
B	50 - 59	3
C	40 - 49	2
D	33 - 39	1
F	0 - 32	0

HIGHER SECONDARY CERTIFICATE EXAMINATION - 2018

Dinab. 180-052397

Name of Student : *Md. Sumon Ali*
 Father's Name : *Md. Moklasur Rahman*
 Mother's Name : *Sumsun Nahar*
 Institution : *7626 - Parbatipur Adarsha College, Dinajpur*
 Centre : *763 - Parbatipur-3*
 Roll No. : *148226* Registration No. : *1318848655/2016-17*
 Group : *Science* Type : *Regular*

Sl.No.	Name of Subjects	Marks Obtained	Letter Grade	Grade Point	GPA (Without additional subj.)	GPA
1	Bangla	115	B	3	3.17	3.50
2	English	095	C	2		
3	Physics	132	A-	3.5		
4	Chemistry	126	A-	3.5		
5	Biology	132	A-	3.5		
6	Information & Communication Technology	065	A-	3.5		
Additional subject :						
7	Higher Mathematics	142	A	4	GP Above 2	2.00
					2.00	

Date of publication of results:
Dinajpur, July 19, 2018

Attested
09.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur-5200

Controller of Examinations

BANGLADESH MADRASAH EDUCATION BOARD, DHAKA.



Serial No. MBC 1839737

Registration No. : 1318848655 /2014

MBED : 16100191

Dakhil Examination - 2016

This is to Certify that *Md. Sumon Ali*

Son / Daughter of *Md. Mollaur Rahman*

and *Sumsun Nahar*

of *Daglaganj Dakhil Madrasah, Dinajpur*

bearing Roll *Parbatipur - 1 (Bhabanipur)*

No. *42 47 23*

duly passed the *Dakhil* Examination in *Science*

group and secured

G.P.A. *3.83* on a scale of 5.00.

His/Her date of birth as recorded in his/her registration card is

Fifteenth August

Nineteen Hundred And Ninety Nine.

Dhaka

Date of Publication of Results : May 11, 2016

Assistant

Controller of Examinations

Md. Mizanur Rahman
Associate Professor
of Islamic and General Education
Bangladesh Madrasah Education Board
Dhaka

BANGLADESH MADRASAH EDUCATION BOARD, DHAKA.

Dakhil Examination - 2016

Serial No. MBT 1802405

MBTD : 16100191



ACADEMIC TRANSCRIPT

Letter Grade	Class Interval	Grade Point
A+	85-100	5
A	70-79	4
A-	60-69	3.5
B	50-59	3
C	40-49	2
D	33-39	1
F	00-32	0

Name of Student : *Md. Sumon Ali*

Father's Name : *Md. Moklasur Rahman*

Mother's Name : *Sumsun Nahar*

Name of Institution : *Daglaganj Dakhil Madrasah, Dinajpur*

Name of Centre : *Parbatipur - 1 (Bhabanipur)*

Roll No. : *42 47 23*

Registration No. : *13 18 84 86 55 / 14*

Group : *Science*

Type of Student : *Regular*

Date of Birth : *15/08/1999 (Fifteenth August Nineteen Hundred And Ninety Nine)*

Sl. No	Name of Subjects	Letter Grade	Grade Point	GPA (Without additional subject)	GPA
1	Quran Mazid & Tazbid and Hadith Sharif	B	3	3.50 <i>Attested</i> <i>01.09.25</i> Md. Mizanur Rahman Associate Professor Dept. of Electrical and Electronic Engineering Hajee Mohammad Danesh Science and Technology University, Dinajpur -5200 GP above 2	3.83
2	Arabic	A-	3.5		
3	Aqaid & Fiqh	B	3		
4	English	C	2		
5	Bangla	A	4		
6	General Mathematics	A+	5		
7	Physics	A-	3.5		
8	Chemistry	A-	3.5		
9	Biology	A	4		
Additional Subject :					
10	Higher Mathematics	A+	5	3	

Date of Publication of Results : **May 11, 2016**

✓ *Controller of Examinations*

Hajee Mohammad Danesh Science and Technology University (HSTU)
Dinajpur-5200
Faculty of Computer Science and Engineering
Layout of Syllabus for 4 years B. Sc. in Electrical and Electronic Engineering (B.Sc. EEE)
(Effective from the semester Jan-Jun, 2017)

Summary of Credits per Semester

Level	Semester	Theory		Sessional		Total Credits
		No. of Courses	Credits	No. of Courses	Credits	
1	I	5	15.00	4	4.50	19.50
	II	5	14.00	4	4.50	18.50
2	I	6	16.00	3	3.75	19.75
	II	6	17.00	3	3.75	20.75
3	I	6	17.00	3	3.75	20.75
	II	5	14.00	4	5.25	19.25
4	I	4	12.00	3	6.00	18.00
	II	4	12.00	4	7.00	19.00
Total		41	117.00	28	38.50	155.50

SUMMARY OF COURSES
Level I Semester I

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 101	Electrical Circuits-I	3.00	3.00
2	EEE 102	Electrical Circuits- I Sessional	1.50	3.00
3	CHE 117	General Chemistry	3.00	3.00
4	CHE 118	General Chemistry Sessional	0.75	1.50
5	PHY 115	Mechanics, Waves and Oscillations, Optics and Thermal Physics	3.00	3.00
6	PHY 116	Mechanics, Waves and Oscillations, Optics and Thermal Physics Sessional	0.75	1.50
7	MAT 129	Calculus- I	3.00	3.00
8	MAT 131	Calculus- II	3.00	3.00
9	AIE 124	Engineering Drawing	1.50	3.00
Total			19.50	24.00

No. of theory Courses	5
No. of Sessional Courses	4
Total Contact Hours (15+9)	24
Total Credit	19.50

Attested
04.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and Technology University, Dinajpur -5200

Level 1 Semester II

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 151	Electrical Circuits- II	3.00	3.00
2	EEE 152	Electrical Circuits- II Sessional	1.50	3.00
3	EEE 154	Electrical Circuit Simulation Laboratory	1.50	3.00
4	PHY 133	Modern Physics ,Electricity and Magnetism	3.00	3.00
5	PHY 134	Modern Physics ,Electricity and Magnetism Sessional	0.75	1.50
6	CSE 163	Computer Programming	3.00	3.00
7	CSE 164	Computer Programming Sessional	0.75	1.50
8	MAT 135	Ordinary and Partial Differential Equations	3.00	3.00
9	SOC 121	Sociology	2.00	2.00
Total			18.50	23.00

No. of theory Courses	5
No. of Sessional Courses	4
Total Contact Hours (14+9)	23
Total Credit	18.50

Level 2 Semester I

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 201	Electronics- I	3.00	3.00
2	EEE 202	Electronics- I Sessional	1.50	3.00
3	EEE 204	Electronics Circuit Simulation Laboratory	0.75	1.50
4	EEE 205	Electrical Machine-1	3.00	3.00
5	EEE 206	Electrical Machine-1 Sessional	1.50	3.00
6	EEE 207	Electromagnetic Fields and Waves	3.00	3.00
7	ECE 207	Signals and Systems	3.00	3.00
8	MAT 213	Linear Algebra	2.00	2.00
9	SSL 223	English	2.00	2.00
Total			19.75	23.50

No. of theory Courses	6
No. of Sessional Courses	3
Total Contact Hours (16+7.5)	23.50
Total Credit	19.75

Attested
04.09.25

Md. Mizanur Rahman
 Associate Professor
 Dept. of Electrical and Electronic Engineering
 Haseem Mahammad Danesh Science and
 Technology University, Dhanmondi - 1200

Level 2 Semester II

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 251	Electrical Machine-II	3.00	3.00
2	EEE 252	Electrical Machine-II Sessional	1.50	3.00
3	EEE 253	Electronics -II	3.00	3.00
4	EEE 254	Electronics- II Sessional	1.50	3.00
5	EEE 255	Numerical Methods in Engineering	3.00	3.00
6	AIE 227	Mechanical Engineering Fundamentals	3.00	3.00
7	AIE 228	Mechanical Engineering Fundamentals Sessional	0.75	1.50
8	STT 223	Basic statistics and probability	3.00	3.00
9	ECN 277	Fundamentals of Economics	2.00	2.00
Total			20.75	24.50

No. of theory Courses	6
No. of Sessional Courses	3
Total Contact Hours (17+7.5)	24.50
Total Credit	20.75

Level 3 Semester I

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 301	Optoelectronics	3.00	3.00
2	EEE 303	Digital Electronics	3.00	3.00
3	EEE 304	Digital Electronics Sessional	1.50	3.00
4	EEE 305	Transmission & Distribution of Electrical Power	3.00	3.00
5	EEE 307	Electrical Properties of Material	3.00	3.00
6	EEE 310	Electrical Services Design	1.50	3.00
7	ECE 313	Communication Theory	3.00	3.00
8	ECE 314	Communication Theory Sessional	0.75	1.50
9	ACT 305	Financial and Managerial Accounting	2.00	2.00
Total			20.75	24.50

No. of theory Courses	6
No. of Sessional Courses	3
Total Contact Hours (17+7.5)	24.50
Total Credit	20.75

Attested
84.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur.

Level 3 Semester II

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 351	Industrial and Power Electronics	3.00	3.00
2	EEE 352	Industrial and Power Electronics Sessional	1.50	3.00
3	EEE 353	Digital Signal Processing	3.00	3.00
4	EEE 354	Digital Signal Processing Sessional	1.50	3.00
5	EEE 355	Power System-I	3.00	3.00
6	EEE 356	Power System-I Sessional	1.50	3.00
7	CSE 365	Microprocessor and Interfacing	3.00	3.00
8	CSE 366	Microprocessor and Interfacing Sessional	0.75	1.50
9	MGT 309	Industrial Management	2.00	2.00
Total			19.25	24.50

No. of theory Courses	5
No. of Sessional Courses	4
Total Contact Hours (14+10.5)	24.50
Total Credit	19.25

Level 4 Semester I

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 444	Project/Thesis	3.00	3.00
2	EEE 401	Solid State Devices & VLSI	3.00	3.00
3	EEE 403	Control System	3.00	3.00
4	EEE 404	Control System Sessional	1.50	3.00
5	Elective I	One course from Elective I	3.00	3.00
6	Elective II	One course from Elective II (Theory + Sessional)	3.00	3.00
			1.50	3.00
		Total	18.00	21.00

No. of theory Courses	4
No. of Sessional Courses	3
Total Contact Hours (12+9)	21
Total Credit	18.00

Attested
04.09.25
Mr. Mizanur Rahman
 Associate Professor
 Dept. of Electrical
 Engineering
 Technology
 Email: mizanur.rahman@univ.edu
 Phone: 017-1111111

Level 4 Semester II

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 488	Project/Thesis	3.00	3.00
2	EEE 451	Microcontroller Based System Design	3.00	3.00
3	EEE 452	Microcontroller Based System Design Sessional	1.50	3.00
4	Elective III	One course from Elective III (Theory + Sessional)	3.00	3.00
5			1.50	3.00
6	Elective IV	One course from Elective IV	3.00	3.00
7	Elective V	One course from Elective V	3.00	3.00
8	EEE 480	Industrial Training	1.00	
Total			19.00	21.00

No. of theory Courses	4
No. of Sessional Courses	4
Total Contact Hours (12+9)	21
Total Credit	19.00

Elective Course divisions:

Five elective courses (Elective I – Elective V) are offered to the students according to the following lists.

Elective I (One Theory Course will be selected):

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 409	Optical Fiber Communication	3.0	3.0
2	EEE 411	Electrical Machine III	3.0	3.0
3	EEE 413	Analog Integrated circuit	3.0	3.0

Elective II(One Theory course with Sessional will be selected):

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 415	Power System protection	3.0	3.0
2	EEE 416	Power System protection Sessional	1.5	3.0
3	EEE 417	Telecommunication Engineering	3.0	3.0
4	EEE 418	Telecommunication Engineering Sessional	1.5	3.0
5	EEE 419	Biomedical Instrumentation	3.0	3.0
6	EEE 420	Biomedical Instrumentation Sessional	1.5	3.0

Elective III (One Theory course with Sessional will be selected):

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 453	Renewable Energy	3.0	3.0
2	EEE 454	Renewable Energy Sessional	1.5	3.0
3	EEE 455	Digital Image Processing	3.0	3.0
4	EEE 456	Digital Image Processing Sessional	1.5	3.0
5	EEE 457	High Voltage Engineering	3.0	3.0

Attested
09.09.25

v
Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Engineering
Technology University, Dinajpur -5200

6	EEE 458	High Voltage Engineering Sessional	1.5	3.0
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Elective IV (One Theory Course will be selected):

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 459	Power Plant Engineering and Economy	3.0	3.0
2	EEE 461	Nano Technology	3.0	3.0
3	EEE 463	Computer Networks	3.0	3.0

Elective V (One Theory Course will be selected):

S/N	Course Code	Course Title	Credit	Contact Hours/Week
1	EEE 465	Mobile Cellular Communication	3.0	3.0
2	EEE 467	Measurement and Instrumentation	3.0	3.0
3	EEE 469	Microwave Engineering	3.0	3.0

Approved
04.09.25

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