



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

This is to certify that *Md. Jahid Hossain Rabbi Joy*

student No. 2002227 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 3.389 out of 4

Administrative Building
HSTU, Dinajpur
Publication Date of Result: 25-08-2025
Date of Issue: 31-08-2025

Prepared by *Arshad*

Mabrum
Registrar

Checked by *S*

Attested
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 have to be returned at the time of submission of the Original Certificate.



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

Migration Certificate

This is to certify that Md. Jahid Hossain Rabbi Joy
son/daughter Md. Abul Hossain 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 2002227 .

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



Mabum
Registrar

Attested
04.09.2025

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

ST
01-09-2025



Memo No :

Date :



Testimonial

This is to certify that **Md. Jahid Hossain Rabbi Joy** son of Md. Abul Hossain and Shamima Nasrin bearing the student number 2002227 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 3.389 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]
31.08.25
Dean
Faculty of Computer Science & Engineering
Hajee Mohammad Danesh Science
& Technology University, Dinajpur

[Signature]
04.09.25

Anur Rahman
are Professor
Electronic Engineering
Faculty of Computer Science and
Engineering, Dinajpur-5200



Memo No :

Date :



Certificate for Medium of Instruction

This is to certify that **Md. Jahid Hossain Rabbi Joy** son of Md. Abul Hossain and Shamima Nasrin bearing the student number 2002227 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]
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

Department of Electrical and Electronic Engineering

Faculty of Computer Science and Engineering

Date: 31.08.2025

LETTER OF RECOMMENDATION

It is my great pleasure to recommend Md. Jahid Hossain Rabbi Joy for admission into the Master's program. I have known Jahid for the past four years as his instructor and later as a supervisor in the Department of Electrical and Electronic Engineering at Hajee Mohammad Danesh Science and Technology University (HSTU). During this time, I have witnessed his academic excellence, technical competence, and research potential.

Jahid has consistently demonstrated strong knowledge in power systems, renewable energy integration, and control systems. He performed particularly well in my courses, where he combined theoretical understanding with practical problem-solving. His academic excellence reflects his dedication and ability to maintain steady academic progress.

As an undergraduate researcher, Jahid worked on his thesis, Grid Stabilization for EV Charging Stations, where he investigated voltage fluctuations, and harmonic distortion using MATLAB/Simulink. His work on applying LCL filters and FEC converters to improve stability was rigorous and showed clear originality. I was impressed by his ability to independently design models, analyze results, and articulate his findings. His contribution has the potential to support future research in microgrid stability and smart EV charging infrastructure.

Beyond academics, Jahid demonstrated leadership as the Program Coordinator of the IEEE HSTU Student Branch, where he successfully organized technical workshops and seminars. He also showcased his innovative thinking by leading his team to first place in the Inter-University Soccer Bot Competition. These achievements highlight his ability to blend technical expertise with teamwork and management skills.

I am confident that Jahid will excel in his Master's studies. He is a motivated learner, an effective communicator, and a researcher capable of contributing meaningfully to your program. I strongly recommend him for admission without any reservation.

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

মোঃ মিজানুর রহমান
সহযোগী অধ্যাপক
ইলেকট্রিক্যাল এন্ড ইলেকট্রনিক ইঞ্জিনিয়ারিং বিভাগ
হাজী মোহাম্মদ দানেশ বিজ্ঞান ও প্রযুক্তি বিশ্ববিদ্যালয়
দিনাজপুর-৫২০০, বাংলাদেশ
ইমেইল: 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 delighted to recommend Md. Jahid Hossain Rabbi for admission to your prestigious 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 and guided Jahid closely and found him to be an exceptionally capable and promising student.

Jahid possesses a rare combination of technical skill, analytical thinking, and practical implementation. His research on EV Charging Station Grid Stability was particularly impressive, as he modeled and analyzed disturbances such as voltage dips, harmonic distortion, and transformer losses caused by large-scale EV integration. His work demonstrates a clear understanding of modern challenges in power quality and smart grids. I was impressed with his ability to use MATLAB/Simulink simulations effectively, bridging theory with practical engineering solutions.

What sets Jahid apart is his strong hands-on experience. He completed an internship at Ashuganj Power Station Company Limited (APSCL), where he analyzed turbine and generator KPIs and proposed preventive maintenance schedules that could reduce downtime. This practical exposure, combined with his solid academic foundation, makes him a well-rounded candidate for graduate-level research.

In addition, Jahid is a proactive leader. He served as a team leader in Project Hunter at HSTU, guiding his team to design advanced robotic systems. He also contributed significantly as IEEE Student Branch Program Coordinator, demonstrating excellent organizational and communication skills. His achievements in inter-university competitions further reflect his creativity and perseverance.

I have no doubt that Jahid will succeed in a Master's program and make meaningful contributions to both research and academia. I strongly recommend him for admission, confident that he will thrive in a challenging academic environment.

Best Regards

02.09.2025

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
DINAJPUR, BANGLADESH**



TRANSCRIPT OF ACADEMIC RECORDS

Name of the Student	‡	Md. Jahid Hossain Rabbi Joy
Student Number	‡	2002227
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	‡	3.389
Highest CGPA in this Batch	‡	3.867

Attested
04.09.25
Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and Technology University, Dinaipur - 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%

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
S= Sessional
P= Practical

* = Grade Improvement Result
** = 'F' Grade Recovery Result
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

Jan-June Semester 2020

Faculty of Computer Science and Engineering

Name of the Student : Md. Jahid Hossain Rabbi Joy

Student Number : 2002227

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE101	Electrical Circuits-I (T)	3.00	B+	3.25
EEE102	Electrical Circuits-I (S)	1.50	A	3.75
MAT112	Calculus-I (T)	3.00	B+	3.25
MAT131	Calculus-II (T)	3.00	A	4.00
PHY115	Mechanics, Waves and Oscillations, Optics and Thermal Physics (T)	3.00	B-	2.75
PHY116	Mechanics, Waves and Oscillations, Optics and Thermal Physics (S)	0.75	A-	3.50
CHE117	General Chemistry (T)	3.00	B	3.00
CHE118	General Chemistry (S)	0.75	A	3.75
CIE116	Details of Estimating (S)	1.50	A-	3.50

Total Credit Hours Offered in this Semester : 19.50

Total Credit Hours Earned in this Semester : 19.50

GPA : 3.337

Total Credit Hours (up to this Semester) : 19.50

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

CGPA : 3.337

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

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 Candidate : Md. Jahid Hossain Rahoi Joy

Student Number : 2002227

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE151	Element Circuits-II (T)	3.00	C+	2.50
EEE152	Electrical Circuits-II (S)	1.50	A-	3.50
EEE154	Electrical Circuit Simulation Laboratory (S)	1.50	A+	4.00
CSE163	Computer Programming (T)	1.50	B	3.00
CSE164	Computer Programming (S)	0.75	A-	3.50
MAT135	Ordinary and Partial Differential Equations (T)	3.00	B+	3.25
PHY133	Modern Physics, Electricity and Magnetism (T)	3.00	B+	3.25
PHY134	Modern Physics, Electricity and Magnetism (S)	0.75	A+	4.00
SOC121	Sociology (T)	2.00	A-	3.50

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 : 3.176

CGPA : 3.258

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

24th-June Semester 2021

Faculty of Computer Science and Engineering

Name of the Student : Md. Jahid Hussain Rabbi Joy

Student Number : 2002227

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE201	Electronics-I (T)	3.00	B+	3.25
EEE202	Electronics-I (S)	1.50	A+	4.00
EEE205	Electrical Machine-I (T)	1.00	B+	3.25
EEE206	Electrical Machine-I (S)	1.50	A-	3.50
EEE207	Electromagnetic Fields and Waves (T)	3.00	A-	3.50
EEE204	Electronics-Circuit Simulation Laboratory (S)	0.75	B	3.00
MAT213	Linear Algebra (T)	2.00	A+	4.00
ECE201	Signals and Systems (T)	3.00	B+	3.25
SSL223	English Language (T)	2.00	A	3.75

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 : 3.481

CGPA : 3.334

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-II Examination 2021

Jul-Dec Semester 2021

Faculty of Computer Science and Engineering

Name of the Student : Md. Jannat Hossain Rabbi Joy

Student Number : 2002227

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE251	Electrical Machine-II (T)	3.00	B	3.00
EEE252	Electrical Machine-II (S)	1.50	A	3.75
EEE253	Electronics-II (T)	3.00	C	2.25
EEE254	Electronics-II (S)	1.50	A	3.75
EEE255	Numerical Methods in Engineering (T)	3.00	B+	2.75
AJE227	Mechanical Engineering Fundamentals (T)	3.00	B+	3.25
AJE228	Mechanical Engineering Fundamentals (S)	0.75	B+	3.25
ECN277	Fundamentals of Economics (T)	2.00	B+	3.25
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

Total Credit Hours (up to this Semester) : 78.50

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

GPA : 3.250

CGPA : 3.312

Prepared by :

Verified by :

Date of issue : August 27, 2025

Controlled by 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-I Examination 2022

Jan-June Semester 2022

Faculty of Computer Science and Engineering

Name of the Student : Md. Junaid Hossain Rabbi Joy

Student Number : 2002227

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE301	Optoelectronics (T)	3.00	B+	3.25
EEE303	Digital Electronics (T)	3.00	A	3.75
EEE304	Digital Electronics (S)	1.25	A	3.75
EEE305	Transmission & Distribution of Electrical Power (T)	3.00	B	3.00
EEE307	Electrical Properties of Material (T)	3.00	B+	3.25
EEE310	Electrical Services Design (S)	1.50	A+	4.00
ECE313	Communication Theory (T)	3.00	A-	3.50
ECE314	Communication Theory (S)	0.75	C	2.25
ACT305	Financial and Managerial Accounting (T)	2.00	A-	3.50
Total Credit Hours Offered in this Semester		20.75		
Total Credit Hours Earned in this Semester		20.75		
Total Credit Hours Offered in this Semester		99.25		
Total Credit Hours Earned (up to this Semester)		99.25		
			GPA :	3.401
			CGPA :	3.331

Prepared by :

Verified by :

Date of Issue : August 27, 2022

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-3 Semester-II Examination 2022

Jul-Dec Semester 2022

Faculty of Computer Science and Engineering

Name of the Student : **Abd. Jaleel Hossain Rabbi Joy**

Student Number : **2002227**

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE351	Industrial and Power Electronics (T)	3.00	B+	2.75
EEE352	Industrial and Power Electronics (S)	1.50	A	3.75
EEE353	Digital Signal Processing (T)	0.75	B+	2.75
EEE354	Digital Signal Processing (S)	1.50	A+	4.00
EEE355	Power System-I (T)	3.00	A	3.75
EEE356	Power System-I (S)	1.50	B+	2.75
CSE365	Microprocessor and Interfacing (T)	3.00	C	2.25
CSE366	Microprocessor and Interfacing (S)	0.75	A-	3.50
MGT309	Industrial Management (T)	2.00	A+	4.00
Total Credit Hours Offered in this Semester		19.25		
Total Credit Hours Earned in this Semester		19.25		
Total Credit Hours (up to this Semester)		118.50		
Total Credit Hours Earned (up to this Semester)		118.50		
			GPA :	3.279
			CGPA :	3.322

Prepared by :

Verified by :

Date of issue : **August 27, 2025**

Controller of Examinations

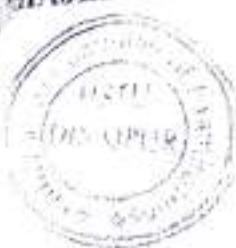
Grading System

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. Zahid Hossain Rabbi Joy

Student Number : 2002227

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

Total Credit Hours (up to this Semester) : 136.50

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

GPA : 3.563

CGPA : 3.354

Prepared by:

Verified by:

Date of issue : August 27, 2023

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

Int-sec. Semester-2023

Faculty of Computer Science and Engineering

Name of the Student : Md. Anil Hossain Rabbi Joy

Student Number : 2002227

Course Code	Course Title	Credit Hours	Letter Grade Obtained	Grade Point Obtained
EEE451	Microcontroller Based System Design (T)	3.00	B-	3.25
EEE452	Microcontroller Based System Design (S)	3.00	A-	4.00
EEE453	Renewable Energy (T)	3.00	B+	3.25
EEE454	Renewable Energy (S)	1.50	A+	4.00
EEE459	Power Plant Engineering and Economy (T)	3.00	A+	3.75
EEE465	Mobile Cellular Communication (T)	3.00	A	3.75
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

GPA : 3.645

Total Credit Hours (up to this Semester) : 155.50

Total Credit Hours Earned (up to this Semester) : 155.50

CGPA : 3.389

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

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA
BANGLADESH



Serial No. DBHC 19 0168777

DBCHC 19172197

Registration No. 1410479176 /2017-18

HIGHER SECONDARY CERTIFICATE EXAMINATION, 2019

This is to Certify that Md. Jahid Hossain Rabbi Joy

Son / Daughter of Md. Abul Hossain

and Shamima Nasrin

of Shahid Syed Nazrul Islam College

bearing Roll Mymensingh No. 17 30 86 duly passed the

Higher Secondary Certificate (HSC) Examination in Science group and secured

G.P.A 4.92 on a scale of 5.00.

Dhaka

Date of Publication of Results : 17 July, 2019.

Attested
24.09.24
Md. Mizanur Rahman
Associate Professor and
Associate in Charge, Science and
Mathematics Department
University, Dhaka

Signature

Controller of Examinations

Note: This Certificate is issued without any alteration or erasure.

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA.

BANGLADESH

Higher Secondary Certificate Examination, 2019

Serial No. DBHT 19 **0183840**

DBCH 19172196



ACADEMIC TRANSCRIPT

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	00-32	0

Name of Student : *Md. Jahid Hossain Rabbi Joy*

Father's Name : *Md. Abul Hossain*

Mother's Name : *Shamima Nasrin*

Name of Institution : *Shahid Syed Nazrul Islam College [7269]*

Name of Centre : *Mymensingh - 7, Govt. Ananda Mohon College [374]*

Roll No. : **17 30 86**

Registration No. : **1410479176/2017-18**

Group : *Science*

Type of Student : *Regular*

SL. No.	Name of Subjects	Letter Grade	Grade Point	GPA (without additional subject)	GPA
1	Bangla	A	4	4.42	4.92
2	English	A-	3.5		
3	Information & Communication Technology	A+	5		
4	Physics	A+	5		
5	Chemistry	A+	5		
6	Higher Mathematics	A	4		

Additional Subject :

7	Biology	A+	5	GP above 2 3.0	
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Attested
04.09.25
Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur - 5500

Date of Publication of Results : **17 July, 2019**

Cam
Controller of Examinations

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA
BANGLADESH



Serial No. DBSC 7387851

DBCSC 17274824

Registration No. 1410479176/2015

SECONDARY SCHOOL CERTIFICATE EXAMINATION, 2017

This is to Certify that Md. Jahid Hossain Rabbi Joy

Son / Daughter of Md. Abul Hossain

and Shamima Nasrin

of Anjuman Adarsha Govt. High School

bearing Roll Netrokona

No. 19 02 37 duly passed the

Secondary School Certificate (SSC) Examination in Science group and secured

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

His/Her date of birth as recorded in his / her registration card is Twenty Ninth January
Two Thousand One.

Dhaka

Date of Publication of Results : May 4, 2017.

Attested

4.09.25

Md. Mubazur Rahman

Associate Professor in Engineering

Controller of Examinations

Note : This Certificate is issued without any alteration or erasure.

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA

BANGLADESH

Secondary School Certificate Examination - 2017

Serial No. DBST 7187743

DBCS 17274824



ACADEMIC TRANSCRIPT

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	00-32	0

Name of Student : *Md. Jahid Hossain Rabbi Joy*
 Father's Name : *Md. Abul Hossain*
 Mother's Name : *Shamima Nasrin*
 Name of Institution : *Anjuman Adarsha Govt. High School [8265]*
 Name of Centre : *Netrokona (Anjuman Adarsha Govt. High School) [390]*
 Roll No. : **19 02 37** Registration No. : **1410479176 / 2015**
 Group : *Science* Type of Student : *Regular*
 Date of Birth : *29/01/2001 (Twenty Ninth January Two Thousand One)*

Date of Birth: 23/01/2001 (Twenty third January Two Thousand One)						
Sl. No.	Name of Subjects	Marks Obtained	Letter Grade	Grade Point	GPA (without additional subject)	GPA
1	Bangla	147	A	4	4.91	5.00
2	English	173	A+	5		
3	Mathematics	091	A+	5		
4	Bangladesh And Global Studies	083	A+	5		
5	Islam And Moral Education	087	A+	5		
6	Physics	092	A+	5		
7	Chemistry	097	A+	5		
8	Higher Mathematics	099	A+	5		
9	Physical Education, Health And Sports	090	A+	5		
10	Information And Communication Technology	049	A+	5		
11	Career Education	049	A+	5		
Additional Subject :						
12	Biology	093	A+	5	GP above 2	
					3.0	

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

Date of Publication of Results : 4 May, 2017.

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-I	3.00	3.00
5	EEE 206	Electrical Machine-I 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
09.09.25

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

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
04.09.25
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
Md. Mizanur Rahman
Associate Professor
Dept. of Electrical
Engineering
Hajee Moham.
Technology Univ. of Bangladesh
Dhaka-1207

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
On 09.09.25

Md. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Rajshahi Mahavidyalaya, Rajshahi
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

Attested
04.09.25

Mr. Mizanur Rahman
Associate Professor
Dept. of Electrical and Electronic Engineering
Hajee Mohammad Danesh Science and
Technology University, Dinajpur-3200