

Heaven's Light is Our Guide.

Rajshahi University of Engineering & Technology.



PROVISIONAL CERTIFICATE
for
BACHELOR OF SCIENCE IN ENGINEERING

In recognition of the satisfactory fulfillment
of the prescribed requirements in 2023 the Degree of

BACHELOR OF SCIENCE
IN
ELECTRICAL & COMPUTER ENGINEERING

has been conferred on

Zohirul Alam

He/She has been placed in the *First* class with *Honors*.

Written by

Checked by

Controller of Examinations

Date of Passing: June 30, 2025

Administrative Building
July 01, 2025

N. B.: This Provisional Certificate must be surrendered at the time of taking delivery
of the Original Certificate.

Heaven's Light is Our Guide.
RAJSHAHI UNIVERSITY OF ENGINEERING & TECHNOLOGY,
Rajshahi- 6204, Bangladesh



TO WHOM IT MAY CONCERN

This is to certify that **Zohirul Alam**, Son of Md Anoarul Haque, bearing Roll No. 1910054 and Registration No. 1105 of Session: 2019-2020, was a student of Rajshahi University of Engineering & Technology, Bangladesh. He obtained the degree of **Bachelor of Science in Electrical & Computer Engineering** from this university in the year 2023 (Examination was held in April, 2025) and secured **First Class with Honors**. He bears a good moral character and amiable in nature.

So far I know, he did not take part in any activity subversive to the state or of discipline.

I wish him every success in life.

Prepared by:

A handwritten signature in blue ink, appearing to be 'Lut'.

Checked by:

A handwritten signature in blue ink, appearing to be 'G. M. C.'.

Controller of Examinations,

Rajshahi University of Engineering & Technology,
Bangladesh

A handwritten signature in blue ink, appearing to be 'A. E. J.' followed by the date '14.07.2025'.



Heaven's Light is Our Guide
RAJSHAHI UNIVERSITY OF ENGINEERING & TECHNOLOGY
Rajshahi-6204, Bangladesh



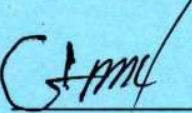
SL. NO.: ECE03/2023

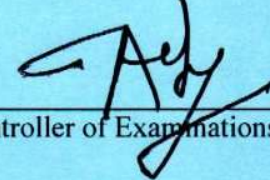
Academic Transcript

- | | |
|--|---|
| 1. Name of the student | : Zohirul Alam |
| 2. Student number | : 1910054 |
| 3. Department | : Electrical & Computer Engineering |
| 4. Date of enrolment | : 2019-2020 to 2022-2023 (4 Sessions) |
| 5. Date of completion of the degree | : June 30, 2025 |
| 6. Degree awarded | : Bachelor of Science in Electrical & Computer Engineering |
| 7. Minimum credit required for the degree | : 160.00 |
| 8. Total credit earned by the student | : 160.00 |
| 9. Cumulative Grade Point Average (CGPA) earned | : 3.90 |
| 10. Highest CGPA in the 8 th semester | : 3.93 |
| 11. Total number of students in the class | : 61 |
| 12. Medium of Instruction | : The medium of instruction and assessment of this university in English. |
| 13. Result | : First Class with Honors |
| 14. Position | : 3rd (Third) |

This Academic Transcript contains 09 pages including this page.


Prepared by


Checked by


Controller of Examinations

Date: 14.07.2025

*Heaven's Light is Our Guide***Rajshahi University of Engineering & Technology****GRADE SHEET**
B. Sc. ENGINEERING FIRST YEAR ODD SEMESTER EXAMINATION, 2020
Department of Electrical & Computer Engineering
Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 1101	Circuits and Systems -I	3.00	A+
ECE 1102	Circuits and Systems -I Sessional	1.50	A
ECE 1103	Computer Programming	3.00	A
ECE 1104	Computer Programming Sessional	1.50	A
Math 1117	Calculus and Co-ordinate Geometry	3.00	A+
Phy 1117	Optics and Modern Physics	3.00	A-
Phy 1118	Optics and Modern Physics Sessional	0.75	B+
Hum 1117	Technical English	3.00	A-
Hum 1118	Technical English Sessional	0.75	B-
ECE 1100	Introduction to Computer System	0.75	A+

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
20.25	20.25	20.25	3.70	3.70

Prepared by

Checked by

Controller of Examinations

Administration Building

December 08, 2021

*Heaven's Light is Our Guide***Rajshahi University of Engineering & Technology****GRADE SHEET**

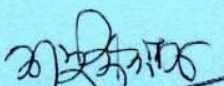
B. Sc. ENGINEERING FIRST YEAR EVEN SEMESTER EXAMINATION, 2020
Department of Electrical & Computer Engineering

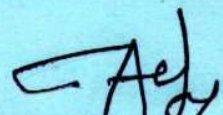
Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 1201	Circuits and Systems -II	3.00	A+
ECE 1202	Circuits and Systems -II Sessional	0.75	A+
ECE 1203	Object Oriented Programming	3.00	A-
ECE 1204	Object Oriented Programming Sessional	1.50	A+
ECE 1205	Analog Electronic Circuits-I	3.00	A
ECE 1206	Analog Electronic Circuits-I Sessional	0.75	A
Math 1217	Differential Equations	3.00	B
Hum 1217	Economics, Government & Sociology	3.00	B+
ECE 1200	Electrical Shop Practice	1.50	A+

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.50	19.50	39.75	3.61	3.66


 Prepared by


 Checked by


 Controller of Examinations

Administration Building
April 09, 2022

*Heaven's Light is Our Guide***Rajshahi University of Engineering & Technology****GRADE SHEET**
B. Sc. ENGINEERING SECOND YEAR ODD SEMESTER EXAMINATION, 2021
Department of Electrical & Computer Engineering
Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 2103	Data Structure & Algorithms	3.00	A+
ECE 2104	Data Structure & Algorithms Sessional	1.50	A+
ECE 2107	Electrical Machines-I	3.00	A+
ECE 2108	Electrical Machines-I Sessional	0.75	A+
ECE 2111	Digital Techniques	3.00	A+
ECE 2112	Digital Techniques Sessional	0.75	A+
Chem 2117	Inorganic and Physical Chemistry	3.00	A+
Chem 2118	Inorganic and Physical Chemistry Sessional	0.75	A+
Math 2117	Vector Analysis & Linear Algebra	3.00	A+
ECE 2100	Software Development Project- I	0.75	A+

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.50	19.50	59.25	4.00	3.77

Prepared by

Checked by

Controller of Examinations

Administration Building
January 10, 2023

Heaven's Light is Our Guide

Rajshahi University of Engineering & Technology



GRADE SHEET

B. Sc. ENGINEERING SECOND YEAR EVEN SEMESTER EXAMINATION, 2021 Department of Electrical & Computer Engineering

Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 2205	Analog Electronic Circuits-II	3.00	A+
ECE 2206	Analog Electronic Circuits-II Sessional	0.75	A+
ECE 2213	Numerical Methods	3.00	A+
ECE 2214	Numerical Methods Sessional	1.50	A
ECE 2215	Data Base Systems	3.00	A+
ECE 2216	Data Base Systems Sessional	1.50	A+
Math 2217	Complex Variable, Statistics & Transform Methods	3.00	A+
Hum 2217	Industrial Management & Accountancy	3.00	A+
ECE 2200	Software Development Project- II	0.75	A

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.50	19.50	78.75	3.97	3.82

Prepared by

Checked by

Controller of Examinations

Administration Building
September 02, 2023

Grading System Shown Overleaf

*Heaven's Light is Our Guide***Rajshahi University of Engineering & Technology****GRADE SHEET**

B. Sc. ENGINEERING THIRD YEAR ODD SEMESTER EXAMINATION, 2022
Department of Electrical & Computer Engineering

Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 3107	Electrical Machines -II	3.00	A+
ECE 3108	Electrical Machines -II Sessional	0.75	A+
ECE 3109	Power System	3.00	A+
ECE 3111	Microprocessors and Assembly Language	3.00	A+
ECE 3112	Microprocessors and Assembly Language Sessional	1.50	A+
ECE 3117	Software Engineering & Information System Design	3.00	A+
ECE 3118	Software Engineering & Information System Design Sessional	0.75	A+
ECE 3119	Computer Architecture and Design	3.00	A+
ECE 3100	Electronic Shop Practice	1.50	A

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.50	19.50	98.25	3.98	3.85

Prepared by
Checked by
Controller of Examinations

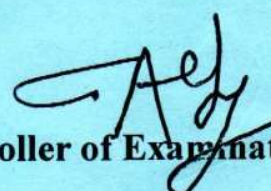
Administration Building
December 20, 2023

*Heaven's Light is Our Guide***Rajshahi University of Engineering & Technology****GRADE SHEET**
B. Sc. ENGINEERING THIRD YEAR EVEN SEMESTER EXAMINATION, 2022
Department of Electrical & Computer Engineering
Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 3205	Industrial Electronics	3.00	A+
ECE 3206	Industrial Electronics Sessional	0.75	A+
ECE 3207	Communication Engineering	3.00	A+
ECE 3208	Communication Engineering Sessional	1.50	A+
ECE 3211	Peripheral and Interfacings	3.00	A+
ECE 3212	Peripheral and Interfacings Sessional	0.75	A+
ECE 3219	Computer Aided Instrumentations	3.00	A+
ECE 3220	Computer Aided Instrumentations Sessional	0.75	A
ECE 3221	Operating System	3.00	A+
ECE 3222	Operating System Sessional	0.75	A+

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.50	19.50	117.75	3.99	3.87


Prepared by

Checked by

Controller of Examinations
Administration Building
April 30, 2024

*Heaven's Light is Our Guide***Rajshahi University of Engineering & Technology****GRADE SHEET**

B. Sc. ENGINEERING 4th YEAR ODD SEMESTER EXAMINATION, 2023
Department of Electrical & Computer Engineering

Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 4109	Power Station, Switchgear & Protection	3.00	A+
ECE 4121	Electromagnetic Fields & Waves	3.00	A+
ECE 4123	Digital Signal Processing	3.00	A+
ECE 4124	Digital Signal Processing Sessional	1.50	A+
ECE 4127	Computer Networks	3.00	A+
ECE 4128	Computer Networks Sessional	0.75	A+
ECE 4141	Power System Operation & Control	3.00	A+
ECE 4142	Power System Operation & Control Sessional	0.75	A+
ECE 4100	Industrial Training	1.00	A+
ECE 4122	Seminar	0.75	A+

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.75	19.75	137.50	4.00	3.89

Prepared by

Checked by

Controller of Examinations

*Administration Building**January 19, 2025*

*Heaven's Light is Our Guide***Rajshahi University of Engineering & Technology****GRADE SHEET**
B. Sc. ENGINEERING 4th YEAR EVEN SEMESTER EXAMINATION, 2023
Department of Electrical & Computer Engineering
Name of the Student: **Zohirul Alam**Roll No.: **1910054**Registration No.: **1105**Session: **2019-2020**

Course No.	Course Title	Credit	Grade
ECE 4211	VLSI Design	3.00	A+
ECE 4223	Digital Image Processing	3.00	A
ECE 4224	Digital Image Processing Sessional	0.75	A+
ECE 4217	Control Systems	3.00	A+
ECE 4218	Control Systems Sessional	0.75	A+
ECE 4245	Neural Networks & Fuzzy Systems	3.00	A+
ECE 4246	Neural Networks & Fuzzy Systems Sessional	0.75	A+
ECE 4255	Fiber Optic Communication	3.00	A+
ECE 4256	Fiber Optic Communication Sessional	0.75	A+
ECE 4000	Thesis/ Project -II	4.50	A+

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
22.50	22.50	160.00	3.97	3.90

Prepared by

Checked by

Controller of Examinations

 Administration Building
 July 01, 2025

Board of Intermediate and Secondary Education, Rajshahi Bangladesh

Serial No. RB 8005924



RBCS SL NO. : 190-002928

Roll No: 100667

Registration No: 1412689266/2017-18

Higher Secondary Certificate Examination - 2019

This is to certify that

Zohirul Alam

son/daughter of

Md Anoarul Haque and Mst Zobeda

of

Rajshahi Collegiate School And College, Rajshahi

and center

102 - Rajshahi-2

duly passed the Higher Secondary Certificate Examination in

Science group

held in the month of *April-May, 2019* securing GPA 5.00 in the scale of 5.00 .



Result Published: 17 July, 2019

Printing Date: 15 July, 2024

[Signature]
Compared By

[Signature]
Controller of Examinations

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

Board of Intermediate and Secondary Education Rajshahi 21264 Bangladesh

Serial No.



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	0-32	0

HIGHER SECONDARY CERTIFICATE EXAMINATION - 2019

Name of Student : **Zohirul Alam**

Father's Name : **Md Anoarul Haque**

Mother's Name : **Mst Zobeda**

Name of Institution : **1005 - Rajshahi Collegiate School And College, Rajshahi**

Name of Center : **102 - Rajshahi- 2**

Roll No. : **100667**

Registration No : **1412689266/2017-18**

Group : **Science**

Type : **Regular**

Sl. No.	Name of Subjects	Letter Grade	Grade Point	GPA (Without Additional Subject)	GPA
1	Bangla	A+	5	4.83	5.00
2	English	A	4		
3	Information & Communication Technology	A+	5		
4	Physics	A+	5		
5	Chemistry	A+	5		
6	Higher Mathematics	A+	5		

Additional Subject:

7	Biology	A	4	GP Above 2	2.00
---	---------	---	---	------------	------

Date of publication of results: Rajshahi, July 17, 2019

Issuing date: 14-07-2024

Compared by

Controller of Examinations

www.rajshahieducationboard.gov.bd

Board of Intermediate and Secondary Education, Rajshahi Bangladesh

Serial No. RBH 7033965



RBCS SL NO. : 170-058574

Roll No: 124568

Registration No: 1412689266/2015-16

Secondary School Certificate Examination - 2017

This is to certify that

Zohirul Alam

son/daughter of

Md Anoarul Haque and Mst Zobeda
of

Mohadanga Secondary School, Naogaon
and center

267 - Porsha - A

duly passed the Secondary School Certificate Examination in
Science group

held in the month of February - March, 2017 securing GPA 5.00 in the scale of 5.00 .

The date of his/her birth
Tenth January Two Thousand One



Result Published: 04 May, 2017

Printing Date: 08 July, 2024

My Al
Compared By

Controller of Examinations

Board of Intermediate and Secondary Education Rajshahi Bangladesh

Serial No: **23947**



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

ACADEMIC TRANSCRIPT

SECONDARY SCHOOL CERTIFICATE EXAMINATION - 2017

Name of Student : **Zohirul Alam**

Father's Name : **Md Anwarul Haque**

Mother's Name : **Mst Zobeda**

Date of Birth : **(10/01/2001) Tenth January Two Thousand One**

Institution : **2717 – Mohadanga Secondary School, Naogaon**

Centre : **267 – Porsha - A**

Roll No. : **124568**

Registration No : **1412689266/2015-16**

Group : **Science**

Type : **Regular**

Sl. No.	Name of Subjects	Marks Obtained	Letter Grade	Grade Point (GP)	GPA (Without Additional Subject)	Grade Point Average (GPA)
1	Bangla	157	A	4	4.91	5.00
2	English	165	A+	5		
3	Mathematics	091	A+	5		
4	Bangladesh and Global Studies	082	A+	5		
5	Islam and Moral Education	094	A+	5		
6	Physics	094	A+	5		
7	Chemistry	085	A+	5		
8	Higher Mathematics	086	A+	5		
9	Physical Education , Health & Sports	084	A+	5		
10	Information and Communication Technology	049	A+	5		
11	Career Education	048	A+	5		
Additional Subject :						
12	Biology	087	A+	5	GP Above 2 3.00	

Date of publication of results: Rajshahi, May 04, 2017

Issuing date: **24.7.17**

Compared by

Controller of Examinations

www.rajshahieducationboard.gov.bd

Heaven's Light is Our Guide.

RAJSHAHI UNIVERSITY OF ENGINEERING & TECHNOLOGY,
Rajshahi- 6204, Bangladesh



MIGRATION CERTIFICATE

This is to certify that **Zohirul Alam**, Son of Md Anoarul Haque, bearing Roll No. 1910054 and Registration No. 1105 of Session: 2019-2020, was a student of Rajshahi University of Engineering & Technology, Bangladesh. He obtained the degree of **Bachelor of Science in Electrical & Computer Engineering** from this university in the year 2023 (Examination was held in April, 2025) and secured **First Class with Honors**. This university has no objection if he proceeds on higher studies in any other university within the country or abroad.

I wish him every success in life.

Prepared by:

A handwritten signature in blue ink, appearing to be "Kut".

Checked by:

A handwritten signature in blue ink, appearing to be "G. H. M. C.".

Controller of Examinations,

Rajshahi University of Engineering & Technology,
Bangladesh

July 14.07.2025



Heaven's Light is Our Guide

Department of Electrical & Computer Engineering Rajshahi University of Engineering & Technology

Kazla, Rajshahi-6204, Bangladesh

Telephone: (+880) 721750372, Fax: (+880) 721750372

LETTER OF RECOMMENDATION

Date: 05 July, 2025

It is my pleasure to introduce **Zohirul Alam**, who is a student at the Department of Electrical & Computer Engineering, Rajshahi University of Engineering & Technology. I have known him for the past four years as a student of the Electrical and Computer Engineering Department at Rajshahi University of Engineering & Technology (RUET). I taught him in Digital Techniques, Numerical methods, Electrical shop practice and their corresponding lab courses.

Zohirul has consistently proven himself to be one of the most meritorious students in his batch, maintaining a CGPA of 3.90, Secured 3rd position in the department, and earning the Student of the Year award twice for his academic excellency. He possesses strong theoretical knowledge along with excellent practical skills, especially in embedded systems and microcontroller-based design. He is very good at C, C++, Python, and MATLAB programming languages.

I also supervised his Arduino-based robotics project, where he led the design and development of a line-following and obstacle-avoiding robot. During the project, Zohirul showed commendable leadership, working hands-on with Arduino hardware and the Arduino IDE for coding, testing, and debugging. He was instrumental in enhancing the robot's performance and showed strong problem-solving abilities throughout.

Zohirul is sincere, proactive, and technically sound-qualities that make him well-suited for a dynamic and research-oriented environment. He is excellent in English and his self-confidence, interest, and talent prove his great potential for conducting advanced research work at your institution. I strongly recommend him for your program and have full confidence in his potential to contribute meaningfully.

Md. Omaer Faruq Goni

Assistant Professor, Department of Electrical & Computer Engineering

Rajshahi University of Engineering & Technology (RUET), Rajshahi-6204, Bangladesh.

E-mail: omaerfaruq@ece.ruet.ac.bd

Cell Phone: (+880) 1609620061