

Sl. No...22/16.....  
Roll no. 1610039/August, 2022

*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 2020 the Degree of

**BACHELOR OF SCIENCE  
IN  
ELECTRICAL & COMPUTER ENGINEERING**

has been conferred on

**Md. Safayet Islam**

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

Written by

  
Checked by  
Controller of Examinations

Date of Passing: October 30, 2022

Administrative Building  
November 01, 2022

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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



### Academic Transcript

1. Name of the student	: Md. Safayet Islam
2. Student number	: 1610039
3. Department	: Electrical & Computer Engineering
4. Date of enrolment	: 2016-2017 to 2019-2020 (4 Sessions)
5. Date of completion of the degree	: October 30, 2022
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	: 3.38
10. Highest CGPA in the 8 <sup>th</sup> semester	: 3.98
11. Total number of students in the class	: 56
12. Medium of Instruction	: The medium of instruction and assessment of this university in English.
13. Result	: First Class

This Academic Transcript contains 09 pages including this page.

Prepared by

Checked by

Controller of Examinations

Date: 10.01.2023

## THE UNIVERSITY

The Rajshahi University of Engineering & Technology was founded in 1964 as Rajshahi Engineering College affiliated to the University of Rajshahi. In 1986 the College was converted to Bangladesh Institute of Technology Rajshahi. The Institute assumed the present name from September 2003.

## ACCREDITATION

The Rajshahi University of Engineering & Technology is accredited to award Bachelor's, Master's and Doctoral degrees; and the programs are accredited by appropriate professional organizations.

## ACADEMIC CREDIT

Two Semesters make up the academic year. Normally four academic years (Eight Semesters) are required to complete the undergraduate course. However, a student must complete his/her undergraduate program within seven academic years. Duration of an academic year is 28 weeks of instructions in general. The University may offer a backlog/short/special short semester where the students shall get a chance to cover the courses in which they obtain F grades.

## GRADING SYSTEM

The following table shows the relations between latter grades, grade points and the equivalent marks:

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

Following Equation gives Grade Point Average (GPA)

$$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i} = \frac{\text{Summation of (Number of credits in a course} \times \text{Grade point earned in that course})}{\text{Total number of credits earned}}$$

Maximum attainable GPA=4.00, minimum GPA required for degree with HONOURS=3.75 and minimum Cumulative GPA required for award of degree=2.20.

## LIST OF ABBREVIATION USED IN THE ACADEMIC RECORD

CE : Credit Earned

CCE : Cumulative Credit Earned

GP : Grade Point

CGP : Cumulative Grade Point

GPA : Grade Point Average

CGPA : Cumulative Grade Point Average

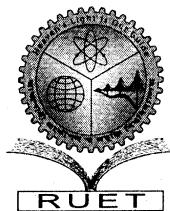
## NOTE

There may be an anomaly regarding "Sessions attended" and "date of completion of degree Requirement". The anomaly arises due to delay in starting an academic session and extension of the academic calendar beyond the stipulated calendar year due to various reasons. Students are normally expected to complete degree requirements within four academic sessions which may extend over more than four calendar years.

SI. No. 37.....

"Heaven's Light is Our Guide"

# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 1<sup>st</sup> YEAR Odd SEMESTER EXAMINATION, 2017 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No: 755

Session: 2016-2017

Course No.	Course Title	Credit	Grade
ECE 1101	Circuits and Systems -I	3.00	B-
ECE 1102	Circuits and Systems -I Sessional	1.50	A+
ECE 1103	Computer Programming	3.00	B+
ECE 1104	Computer Programming Sessional	1.50	A+
Math 1117	Calculus and Co-ordinate Geometry	3.00	D
Phy 1117	Optics and Modern Physics	3.00	B
Phy 1118	Optics and Modern Physics Sessional	0.75	B-
Hum 1117	Technical English	3.00	B
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	3.04	3.04

Prepared By  
Md. Safayet Islam

Checked By  
Md. Safayet Islam

Controller of Examinations  
Md. Safayet Islam

Administration Building  
November 07, 2017

Grading System Shown Overleaf

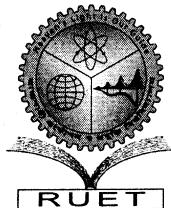
<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00
Incomplete	I	-
Need to register again	X	-

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

SI. No.....36

"Heaven's Light is Our Guide"

# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 1<sup>st</sup> YEAR EVEN SEMESTER EXAMINATION, 2017 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No: 755

Session: 2016-2017

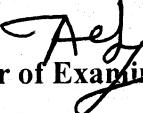
Course No.	Course Title	Credit	Grade
ECE 1201	Circuits and Systems -II	3.00	B-
ECE 1202	Circuits and Systems -II Sessional	0.75	A
ECE 1203	Object Oriented Programming	3.00	A-
ECE 1204	Object Oriented Programming Sessional	1.50	A+
ECE 1205	Analog Electronic Circuits-I	3.00	B
ECE 1206	Analog Electronic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

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.50	19.50	39.75	3.17	3.10

  
Prepared By

Administration Building  
March 11, 2018

  
Checked By

  
Controller of Examinations

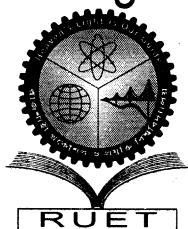
Grading System Shown Overleaf

<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00
Incomplete	I	-
Need to register again	X	-

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

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# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 2ND YEAR ODD SEMESTER EXAMINATION, 2018 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No.: 755

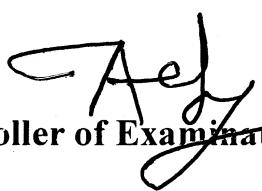
Session: 2016-2017

Course No.	Course Title	Credit	Grade
ECE 2103	Data Structure & Algorithms	3.00	B+
ECE 2104	Data Structure & Algorithms Sessional	1.50	A+
ECE 2107	Electrical Machines-I	3.00	C+
ECE 2108	Electrical Machines-I Sessional	0.75	A-
ECE 2111	Digital Techniques	3.00	B
ECE 2112	Digital Techniques Sessional	0.75	A-
Math 2117	Vector Analysis & Linear Algebra	3.00	A
Chem 2117	Inorganic and Physical Chemistry	3.00	B
Chem 2118	Inorganic and Physical Chemistry Sessional	0.75	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	3.25	3.15

  
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Checked by

  
Controller of Examinations

Administration Building  
November 28, 2020

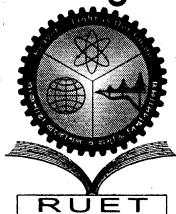
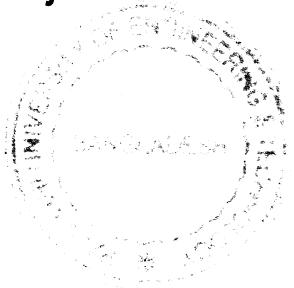
Grading System Shown Overleaf

<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

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# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 2ND YEAR EVEN SEMESTER EXAMINATION, 2018 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No.: 755

Session: 2016-2017

Course No.	Course Title	Credit	Grade
ECE 2205	Analog Electronic Circuits-II	3.00	B+
ECE 2206	Analog Electronic Circuits-II Sessional	0.75	B+
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+
Hum 2217	Industrial Management & Accountancy	3.00	B+
Math 2217	Complex Variable, Statistics & Transform Methods	3.00	D
ECE 2200	Software Development Project -II	0.75	A+

Credit Registered	Credit Earned	Cumulative Earned Credit	GPA	CGPA
19.50	19.50	78.75	3.24	3.17

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November 28, 2020

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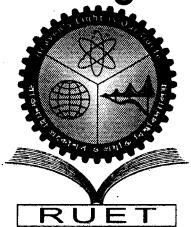
Controller of Examinations

<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

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# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 3RD YEAR ODD SEMESTER EXAMINATION, 2019 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No.: 755

Session: 2016-2017

Course No.	Course Title	Credit	Grade
ECE 3107	Electrical Machines -II	3.00	B+
ECE 3108	Electrical Machines -II Sessional	0.75	A
ECE 3109	Power System	3.00	B-
ECE 3111	Microprocessors & Assembly Language	3.00	A
ECE 3112	Microprocessors & 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	B+
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	3.44	3.23

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Controller of Examinations

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November 28, 2020

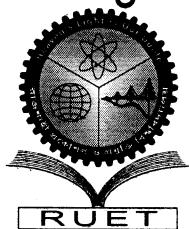
Grading System Shown Overleaf

<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

Heaven's Light is Our Guide

# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 3RD YEAR EVEN SEMESTER EXAMINATION, 2019 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No.: 755

Session: 2016-2017

Course No.	Course Title	Credit	Grade
ECE 3205	Industrial Electronics	3.00	B+
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	3.60	3.29

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Controller of Examinations

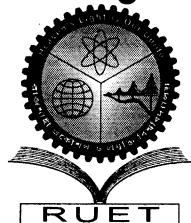
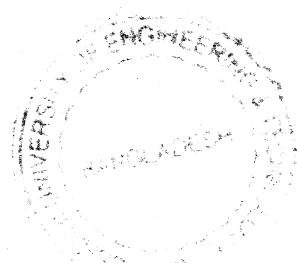
Administration Building  
July 23, 2022

<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

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# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 4<sup>th</sup> YEAR ODD SEMESTER EXAMINATION, 2020 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No.: 755

Session: 2016-2017

Course No.	Course Title	Credit	Grade
ECE 4109	Power Station, Switch Gear & Protection	3.00	A-
ECE 4121	Electromagnetic Fields & Waves	3.00	C+
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	3.51	3.32

Prepared by

Administration Building  
October 19, 2022

Checked by

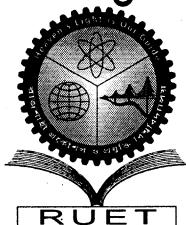
Controller of Examinations

<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

*Heaven's Light is Our Guide*

# Rajshahi University of Engineering & Technology



## GRADE SHEET

### B. Sc. ENGINEERING 4<sup>th</sup> YEAR EVEN SEMESTER EXAMINATION, 2020 Department of Electrical & Computer Engineering

Name of the Student: Md. Safayet Islam

Roll No.: 1610039

Registration No.: 755

Session: 2016-2017

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 4257	Biomedical Engineering	3.00	A+
ECE 4258	Biomedical Engineering 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	3.77	3.38

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Checked by

Controller of Examinations

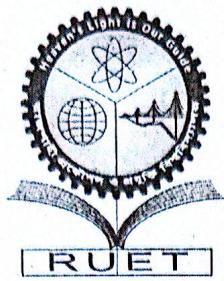
Administration Building  
November 2, 2022

Grading System Shown Overleaf

<b>MARKS AND GRADE</b>		
<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>
80% and above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00

<b>CLASS &amp; CGPA</b>	
<b>Class</b>	<b>Minimum CGPA</b>
Honors	3.75
First Class	3.00
Second Class	2.20

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



### MARKS EQUIVALENCE CERTIFICATE

This is to certify that **Md. Safayet Islam**, Son of Md. Kamrul Islam, bearing Roll No. 1610039 and Registration No. 755 of Session: 2016-2017, 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 2020 (Examination was held in August, 2022) and secured **First Class**. His Cumulative Grade Point Average (CGPA) is **3.38** (Out of **4.00**).

As per conversion formula adopted by the Academic Council of this University, his earned CGPA may be considered to be equivalent to **71.60%** marks.

Conversion Formula is shown below:

- (a) Marks =  $79 + 84 (X - 3.75)$ ;  $3.75 \leq X \leq 4.00$
- (b) Marks =  $44 + 20 (X - 2.00)$ ;  $2.20 \leq X \leq 3.75$

Here X = Earned CGPA

I wish him every success in life.

Prepared by:

*[Signature]*

Checked by:

*[Signature]*

*[Signature]* 17.01.2023  
Controller of Examinations,  
Rajshahi University of Engineering & Technology,  
Bangladesh