

24040123

Bangladesh University of Engineering & Technology Dhaka

PROVISIONAL CERTIFICATE

Subject to the approval of the Academic Council

Sahea Maharuj Mahadi

is declared to have fulfilled the prescribed requirements for the degree of

Bachelor of Science

in

Civil Engineering

on 01 July, 2024

with a Grade Point Average of 3.51 on a scale of 4.0

Dated, Dhaka
the 29 July, 2024

Shamim
Controller of Examinations

ORIGINAL CERTIFICATE
CHALLAN BY THE ISSUED
UNLESS THIS CERTIFICATE
IS SURRENDERED

Mashfiq

Faruq

0332-2024

BANGLADESH UNIVERSITY OF ENGINEERING
AND TECHNOLOGY, DHAKA, BANGLADESH



This is to certify that *Saheb Maharaj Mahadi*, son of Abdul Mannan and Shazeda Akter, Student No.S201804187 of session 2018-2019 was a student of this University from the session 2018-2019 to the session 2021-2022. He fulfilled all the requirements of the degree of *Bachelor of Science in Civil Engineering* in the month of July, 2024.

During his stay in the university there is nothing on record against his character or university discipline.

I wish him all the success in life.

Director

09 SEP 2024

Directorate of Students' Welfare (DSW)
BUET, Dhaka-1000, Bangladesh

(Prof. Dr. Mohammad Al Amin Siddique)

Director

Directorate of Students' Welfare
BUET, Dhaka

Dated: Dhaka
09 September, 2024





BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

TRANSCRIPT OF ACADEMIC RECORD

Name : Sahea Maharuj Mahadi
Student Number : 1804187
Date of Birth : April 08, 2000
Degree Awarded : Bachelor of Science in Civil Engineering
abbreviated as B.Sc.Engg.(Civil)

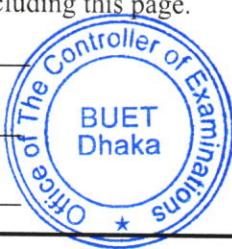
Sessions Attended¹ : 2018-19 to 2021-22
Date of completion of the degree requirements : July, 2024
Minimum number of Credits required for Degree: 160.00
Total number of Credits earned by the student : 160.00
Grade Point Average (GPA) ² earned : 3.51
Highest GPA in the class : 3.99
Number of students in the graduating class : 191
Merit position of the student : 98
Number of graduates in the class with GPA more than the GPA of this student : 97

This Transcript contains four pages including this page.

Date Prepared 12/08/2024

Prepared by

Verified by



Controller of Examinations

Bangladesh University of Engineering & Technology

DHAKA

1. It may be noted that there is an anomaly regarding "Sessions Attended" and "Date of completion of degree requirements". The anomaly has arisen 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/five academic sessions which may extend over more than four/five calendar years.

2. Grade Point Average (GPA) =
$$\frac{\sum CiGi}{\sum Ci} = \frac{\text{Summation of (Number of Credits in a Course X Grade Point Earned in that Course)}}{\text{Total Number of Credits Earned}}$$

Maximum Attainable GPA = 4.00

GPA Required for Degree with HONOURS = 3.75

Minimum GPA Required for Award of Degree = 2.20

Grading System

Letter Grade	Grade Point	Numerical Equivalent
A+	4.00	80% and above
A	3.75	75% to below 80%
A-	3.50	70% to below 75%
B+	3.25	65% to below 70%
B	3.00	60% to below 65%
B-	2.75	55% to below 60%

Letter Grade	Grade Point	Numerical Equivalent
C+	2.50	50% to below 55%
C	2.25	45% to below 50%
D	2.00	40% to below 45%
F	0.00	Less than 40%
X		Continuation
S		Satisfactory



BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

Details of Academic Record

Name: Sahea Maharuj Mahadi

Student Number: 1804187

Session 2018-19

Level-1 Term-1 (April,2019-February, 2020)

Course No	Course Title	Credits	Grade	Grade Point
CE 100	Civil Engineering Drawing	1.50	A-	3.50
CE 101	Analytic Mechanics	3.00	B+	3.25
CHEM 103	Chemistry I	3.00	B+	3.25
CHEM 114	Inorganic Quantitative Analysis	1.50	A	3.75
HUM 355	Sociology	2.00	A+	4.00
MATH 137	Differential and Integral Calculus, Matrices	3.00	B-	2.75
PHY 101	Physical Optics, Waves and Oscillation, Heat and Thermodynamics	3.00	A-	3.50
PHY 102	Physics Laboratory	1.50	A-	3.50

Credit Earned: 18.50 Term GPA: 3.37

Cummulative Credits: 18.50 Cummulative GPA: 3.37

Session 2018-19

Level-1 Term-2 (February,2020-February, 2021)

Course No	Course Title	Credits	Grade	Grade Point
CE 102	Computer Aided Drafting	1.50	S	---
CE 103	Surveying	4.00	S	---
EEE 165	Basic Electrical Technology	3.00	S	---
HUM 185	English	2.00	S	---
HUM 274	Developing English Language Skills	1.50	S	---
MATH 139	Differential Equations and Statistics	3.00	S	---
PHY 151	Structure of Matter, Electricity and Magnetism and Modern Physics	3.00	S	---
SHOP 132	Workshop Sessional	1.50	S	---

* S: Satisfactory, F: Fail

* "S/F" grade is provided due to Covid-19. "S/F" grades are not used in calculating GPA and CGPA

Credit Earned: 19.50 Term GPA: Not Calculated

Cummulative Credits: 38.00 Cummulative GPA: 3.37

Session 2019-20

Level-2 Term-1 (February,2021-November, 2021)

Course No	Course Title	Credits	Grade	Grade Point
CE 200	Details of Construction	1.50	A	3.75
CE 201	Engineering Materials	3.00	A-	3.50
CE 202	Materials Sessional	1.50	B+	3.25
CE 203	Engineering Geology and Geomorphology	3.00	A-	3.50
CE 204	Computer Programming Sessional	1.50	B+	3.25
CE 210	Architectural, Engineering and Planning Appreciation	1.50	A	3.75
CE 211	Mechanics of Solids I	3.00	B	3.00
HUM 353	Accounting	2.00	A	3.75
MATH 237	Laplace Transform and Vector Analysis	3.00	A	3.75

Credit Earned: 20.00 Term GPA: 3.49

Cummulative Credits: 58.00 Cummulative GPA: 3.43

Date Prepared

12/08/2024

Prepared by

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Bangladesh University of Engineering & Technology
DHAKA



BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

Details of Academic Record

Name: Sahea Maharuj Mahadi

Student Number: 1804187

Session 2019-20

Level-2 Term-2 (November,2021-May, 2022)

Course No	Course Title	Credits	Grade	Grade Point
CE 205	Numerical Methods	2.00	A	3.75
CE 206	Engineering Computation Sessional	1.50	A+	4.00
CE 207	Applied Mathematics for Engineers	3.00	B+	3.25
CE 208	Quantity Surveying	1.50	B	3.00
CE 212	Structural Mechanics and Materials Sessional	1.50	B	3.00
CE 213	Mechanics of Solids II	3.00	A	3.75
HUM 217	Engineering Economics	2.00	A	3.75
WRE 211	Fluid Mechanics	3.00	A-	3.50
WRE 212	Fluid Mechanics Sessional	1.50	A+	4.00

Credit Earned: 19.00

Term GPA: 3.55

Cummulative Credits: 77.00

Cummulative GPA: 3.47

Session 2020-21

Level-3 Term-1 (May,2022-November, 2022)

Course No	Course Title	Credits	Grade	Grade Point
CE 301	Professional Practices and Communication	3.00	B-	2.75
CE 302	Professional Practices and Communication Sessional	1.50	A	3.75
CE 311	Structural Analysis	4.00	A-	3.50
CE 315	Design of Concrete Structures I	3.00	A+	4.00
CE 331	Environmental Engineering I	3.00	A	3.75
CE 332	Environment Engineering Laboratory	1.50	A-	3.50
CE 341	Principles of Soil Mechanics	4.00	B	3.00
CE 342	Geotechnical Engineering Laboratory	1.50	A	3.75

Credit Earned: 21.50

Term GPA: 3.44

Cummulative Credits: 98.50

Cummulative GPA: 3.46

Session 2020-21

Level-3 Term-2 (November,2022-May, 2023)

Course No	Course Title	Credits	Grade	Grade Point
CE 104	Practical Surveying	1.50	A+	4.00
CE 316	Concrete Structures Design Sessional I	1.50	C+	2.50
CE 317	Design of Concrete Structures II	3.00	A+	4.00
CE 319	Design of Steel Structures	3.00	B-	2.75
CE 320	Steel Structures Design Sessional	1.50	A+	4.00
CE 333	Environmental Engineering II	4.00	B	3.00
CE 351	Transportation Engineering I: Transportation Planning and Traffic Engineering	3.00	A+	4.00
WRE 311	Open Channel Flow	4.00	B	3.00
WRE 312	Open Channel Flow Sessional	1.50	B	3.00

Credit Earned: 23.00

Term GPA: 3.33

Cummulative Credits: 121.50

Cummulative GPA: 3.43

Date Prepared

12/08/2024

Prepared by

Verified by



Controller of Examinations
Bangladesh University of Engineering & Technology
DHAKA



BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

Details of Academic Record

Name: **Sahea Maharuj Mahadi**

Student Number: **1804187**

Session 2021-22

Level-4 Term-1 (June,2023-November, 2023)

Course No	Course Title	Credits	Grade	Grade Point
CE 400	Project and Thesis	1.50	X	---
CE 401	Project Planning and Construction Management	4.00	A	3.75
CE 404	Capstone Project	1.50	X	---
CE 410	Concrete Structures Design Sessional II	1.50	B+	3.25
CE 411	Structural Analysis and Design II	3.00	B+	3.25
CE 441	Foundation Engineering	3.00	B+	3.25
CE 451	Transportation Engineering II: Pavement Design and Railway Engineering	4.00	A+	4.00
CE 452	Transportation Engineering Sessional I: Highway Materials and Traffic Engineering Design	1.50	B+	3.25
WRE 451	Hydrology, Irrigation and Flood Management	3.00	A+	4.00

Credit Earned: 20.00

Term GPA: 3.61

Cummulative Credits: 141.50

Cummulative GPA: 3.46

Session 2021-22

Level-4 Term-2 (November,2023-July, 2024)

Course No	Course Title	Credits	Grade	Grade Point
CE 400	Project and Thesis	1.50 [+ 1.50]	A+	4.00
CE 403	Socio-economic Aspects of Development Projects	3.00	A+	4.00
CE 404	Capstone Project	3.00 [+ 1.50]	A	3.75
CE 413	Introduction to Steel-Concrete Composite Structures	2.00	A	3.75
CE 421	Dynamics of Structures	2.00	A	3.75
CE 443	Earth Retaining Structures	2.00	A	3.75
CE 445	Elementary Soil Dynamics	2.00	A+	4.00

Credit Earned: 18.50

Term GPA: 3.86

Cummulative Credits: 160.00

Cummulative GPA: 3.51

Date Prepared

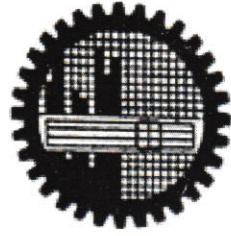
12/08/2024

Prepared by

Verified by



Controller of Examinations
Bangladesh University of Engineering & Technology
DHAKA



Bangladesh University of Engineering & Technology Dhaka

Certificate of Conversion of CGPA/GPA to Class

This is to certify that Saheba Maharaj Mahadi bearing Student No. 1804187 was a student in the Department of Civil Engineering of Bangladesh University of Engineering and Technology, Dhaka during April, 2019 to July, 2024.

He/She has obtained the degree of Bachelor of Science in Civil Engineering with a CGPA of 3.51 on a scale of 4.0.

As per decision adopted by the Academic Council of the University his/her earned CGPA may be considered to be equivalent to **First Class**.

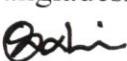
Decision of Academic Council is given below:

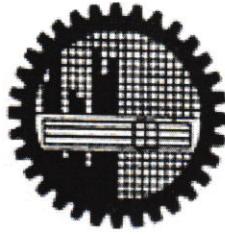
Class	CGPA/GPA
First Class	CGPA 3 and above
Second Class	CGPA below 3

Dated, Dhaka

August 12, 2024




Controller of Examinations
Bangladesh University of Engineering & Technology
Dhaka


Bangladesh University of Engineering & Technology Dhaka

Certificate of Conversion of GPA to Equivalent Marks in Percentage

This is to certify that Sahea Maharuj Mahadi bearing Student No. 1804187 was a student in the Department of Civil Engineering of Bangladesh University of Engineering and Technology, Dhaka during April, 2019 to July, 2024.

He/She has obtained the degree of Bachelor of Science in Civil Engineering with a GPA of 3.51 on a scale of 4.0.

As per conversion formula adopted by the Academic Council of the University his/her earned GPA may be considered to be equivalent to **74.20%** Marks.

Formula and Conversion are 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 GPA

Calculation: $44 + 20 (3.51 - 2.00)$

$$= 44 + 20 (1.51)$$

$$= 44 + 30.20$$

$$= 74.20\%$$

Dated, Dhaka

August 12, 2024



[Signature]

J. Hansen

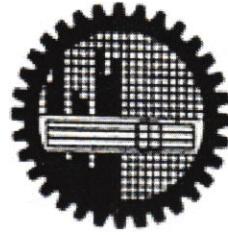
Controller of Examinations

Bangladesh University of Engineering & Technology

Dhaka

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Bangladesh University of Engineering & Technology Dhaka

Certificate of Period of Study

This is to certify that Sahea Maharuj Mahadi bearing Student No. 1804187 was a student in the Department of Civil Engineering of Bangladesh University of Engineering and Technology, Dhaka. Owing to reasons beyond the control of the university, the academic sessions could not be completed as per schedule. The actual time schedules of the academic sessions attended by the student are listed below.

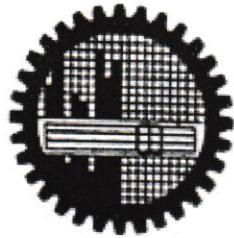
Session	Year	Term	Started	Completed
2018-19	1	1	April, 2019	February, 2020
2018-19	1	2	February, 2020	February, 2021
2019-20	2	1	February, 2021	November, 2021
2019-20	2	2	November, 2021	May, 2022
2020-21	3	1	May, 2022	November, 2022
2020-21	3	2	November, 2022	May, 2023
2021-22	4	1	June, 2023	November, 2023
2021-22	4	2	November, 2023	July, 2024

Dated, Dhaka
August 12, 2024



Controller of Examinations
Bangladesh University of Engineering & Technology

Dhaka



Bangladesh University of Engineering & Technology Dhaka

Certificate of Medium of Instruction

This is to certify that Saheb Maharaj Mahadi bearing Student No. 1804187 was a student in the Department of Civil Engineering of Bangladesh University of Engineering and Technology, Dhaka during April, 2019 to July, 2024.

The medium of instruction and examination of this University is English.

Dated, Dhaka

August 12, 2024



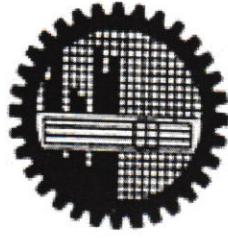
Controller of Examinations
Bangladesh University of Engineering & Technology
Dhaka

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Bangladesh University of Engineering & Technology Dhaka

Certificate of Grading System

This is to certify that Sahea Maharuj Mahadi bearing Student No. 1804187 was a student in the Department of Civil Engineering of Bangladesh University of Engineering and Technology, Dhaka under course system. The Letter Grades and the corresponding Grade Points awarded in the Course System in accordance with the Rule 11 of the Rules and Regulations for Course System of this University are as follows:

<u>Numerical grade</u>	<u>Letter grade</u>	<u>Grade Point</u>
80% or above	A+ (A plus)	4.00
75% to less than 80%	A (A regular)	3.75
70% to less than 75%	A- (A minus)	3.50
65% to less than 70%	B+ (B plus)	3.25
60% to less than 65%	B (B regular)	3.00
55% to less than 60%	B- (B minus)	2.75
50% to less than 55%	C+ (C plus)	2.50
45% to less than 50%	C (C regular)	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00
Continuation (for project & thesis design courses)	X	

Dated, Dhaka

August 12, 2024



Controller of Examinations
Bangladesh University of Engineering & Technology

Hossain

Dhaka

Riaz

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, CHITTAGONG BANGLADESH

Serial No. CB 17 0003588



Registration No. : 1311129485/2016-2017

Certificate Sl. No. : 18009379

HIGHER SECONDARY CERTIFICATE EXAMINATION – 2018

This is to certify that Saheba Maharuj Mahadi

son / daughter of Abdul Mannan

and Shaxeda Akter

of Nou Bahini School & College

bearing Roll Chittagong -20(167) No. 103824 duly passed the Higher Secondary

Certificate Examination of 2018 from Science group and secured G.P.A. 5.00
in the scale of 5.00.

CHITTAGONG

Date of Publication of Result : July 19, 2018


Controller of Examinations



BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, CHITTAGONG
BANGLADESH

Higher Secondary Certificate Examination – 2018

Serial No. CB 17 **0004940**

ACADEMIC TRANSCRIPT

GBTSL No. : 18009379

Letter Grade	Class Interval (%)	Grade Point
A+	80-100	5.00
A	70-79	4.00
A-	60-69	3.50
B	50-59	3.00
C	40-49	2.00
D	33-39	1.00
F	00-32	0.00

Name of Student : *Saheba Maharuj Mahadi*

Father's Name : *Abdul Mannan*

Mother's Name : *Shazeda Akter*

Name of Centre : *Chittagong -20(167)*

Name of Institution: *Nou Bahini School & College(104264)*

Roll No. : **103824**

Registration No. : **1311129485/2016-2017**

Group : *Science*

Type of Student : *Regular*

Sl. No.	Name of Subjects	Marks Obtained	Letter Grade	Grade Point	GPA (Without additional subject)	GPA
1	BENGALI	167	A+	5.00	4.83	5.00
2	ENGLISH	153	A	4.00		
3	INFORMATION & COMMUNICATION TECHNOLOGY	095	A+	5.00		
4	PHYSICS	171	A+	5.00		
5	CHEMISTRY	171	A+	5.00		
6	HIGHER MATHEMATICS	174	A+	5.00		

Additional Subject :

7	BIOLOGY	163	A+	5.00	GP Above 2	
						3.00

Date of Publication of Result : July 19, 2018

✓Controller of Examinations

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, COMILLA
BANGLADESH

Secondary School Certificate Examination 2016

Serial No. CB **1017588**

cbs16:01927250



Letter Grade	Class Interval	Grade Point
A+	80 - 100	5.0
A	70 - 79	4.0
A-	60 - 69	3.5
B	50 - 59	3.0
C	40 - 49	2.0
D	33 - 39	1.0
F	00 - 32	0.0

ACADEMIC TRANSCRIPT

Name of Student : *Sakeha Maharij Mahadi*

Father's Name : *Abdul Mannan*

Mother's Name : *Shaxeda Akter*

Name of Institution: *(106458) Chhagalnaiya Academy*

Name of Centre : *(616) Chhagalnaiya-1* Type : *Regular*

Roll No. : **187250**

Registration No.: **1311129485 /2014-15**

Group : *Science*

Date of Birth : **08/04/2000**

Sl. No.	Name of Subjects	Letter Grade	Grade Point	GPA (Without optional subject)	GPA
1	Bengali	A	4.0		
2	English	A+	5.0		
3	Mathematics	A+	5.0		
4	Religion & Moral Education (Islam)	A+	5.0		
5	Bangladesh And Global Studies	A	4.0	4.67	5.00
6	Physics	A+	5.0		
7	Chemistry	A	4.0		
8	Biology	A+	5.0		
9	Physical Education, Health & Sports	A+	5.0		
10	Higher Mathematics	A+	5.0	GP above 2 3.00	

Optional Subject

10	Higher Mathematics	A+	5.0	GP above 2 3.00

Sreejan

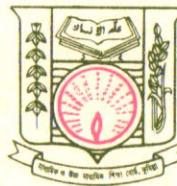
Date of Publication of Result : May 11, 2016

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BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, COMILLA BANGLADESH

Serial No. CB 8214646

Cbs No. 37272500



Registration No. 1311129485 / 2014-15

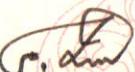
SECONDARY SCHOOL CERTIFICATE EXAMINATION, 2016

Group Science

This is to certify that Saheba Maharuj Mahadi
son/daughter of Abdul Mannan
and Shazeda Akter
of Chhagalnaiya Academy
bearing Roll Chhagalnaiya-1 No. 187250 duly passed the
Secondary School Certificate Examination held in the month of February-March, 2016
and secured GPA 5.00 in the scale of 5.00.

His/Her date of birth is 08/04/2000 (Eighth April Two Thousand.)

Date of Publication of Result : May 11, 2016


Deputy Controller of Examinations

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