



Dhaka, Bangladesh

Ref: SU/Con/Trans/CE23020100320

Serial No. CE2302010002



Provisional Certificate

This is to certify that **EYASIN ARAFAT**, a student under the Faculty of Science & Engineering bearing Registration No. **BCE1801013149** fulfilled all the requirements for the degree of **B.Sc. in Civil Engineering** from **Sonargaon University (SU)** in Summer-2023. His / Her CGPA is **3.19** in the scale of 4.00.

SUP0011423

147/I Green Road, Dhaka-1215
Awarded the degree on September 20, 2023
Issued on September 24, 2023

Controller of Examinations

Registrar

Checked By





Academic Transcript



| Grading System | |
|------------------------|--|
| 80 & above = A+ = 4.00 | |
| 75 to < 80 = A = 3.75 | |
| 70 to < 75 = A- = 3.50 | |
| 65 to < 70 = B+ = 3.25 | |
| 60 to < 65 = B = 3.00 | |
| 55 to < 60 = B- = 2.75 | |
| 50 to < 55 = C+ = 2.50 | |
| 45 to < 50 = C = 2.25 | |
| 40 to < 45 = D = 2.00 | |
| < 40 = F = 0.00 | |

Name of the Student

: EYASIN ARAFAT

Entrance Qualification

: HSC/Equivalent

Degree

: B.Sc. in Civil Engineering

Registration No.

: BCE1801013149

Duration of the Degree

: 04 Years

Year of Passing

: 2023 (Summer)

Number of credits to be earned

: 163.00

Total number of credits earned

: 163.00

Final CGPA: 3.19

Level1 -Term1 (Semester-01)

| Course Code | Course Title | Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|---------------------------------|--|-------------------|----------------|--------------|-------------|
| CE100 | Civil Engineering Drawing | 1.50 | 1.50 | A- | 3.50 |
| CE101 | Engineering Mechanics-I | 3.00 | 3.00 | B- | 2.75 |
| Math131 | Differential and Integral Calculus | 3.00 | 3.00 | A- | 3.50 |
| Phy101 | Physical Optics, Waves and Oscillations, Heat and Thermodynamics | 3.00 | 3.00 | A+ | 4.00 |
| Phy102 | Physics Laboratory | 1.50 | 1.50 | A- | 3.50 |
| Credit Attempted, Earned & SGPA | | 12.00 | 12.00 | | 3.438 |

Total Credit Earned & CGPA

12.00

3.44

Level1 -Term2 (Semester-02)

| Course Code | Course Title | Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|---------------------------------|---|-------------------|----------------|--------------|-------------|
| CE102 | Carpentry Shop, Machine Shop and Welding Shop Sessional | 1.50 | 1.50 | B+ | 3.25 |
| CE103 | Engineering Mechanics-II | 3.00 | 3.00 | B | 3.00 |
| Chem101 | Chemistry I | 3.00 | 3.00 | A- | 3.50 |
| Chem102 | Inorganic Quantitative Analysis | 1.50 | 1.50 | B+ | 3.25 |
| Math133 | Differential Equations and Matrices | 3.00 | 3.00 | C | 2.25 |
| Phy103 | Structure of Matter, Electricity and Magnetism and Modern Physics | 3.00 | 3.00 | B+ | 3.25 |
| Credit Attempted, Earned & SGPA | | 15.00 | 15.00 | | 3.050 |

Total Credit Earned & CGPA

27.00

3.22

Level1 -Term3 (Semester-03)

| Course Code | Course Title | Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|---------------------------------|---------------------------------|-------------------|----------------|--------------|-------------|
| CE104 | 2D Auto CAD Drawing | 1.50 | 1.50 | A+ | 4.00 |
| CE105 | Basics of Surveying | 3.00 | 3.00 | A- | 3.50 |
| CE106 | Practical Surveying | 1.50 | 1.50 | B | 3.00 |
| Chem103 | Chemistry II | 3.00 | 3.00 | A | 3.75 |
| EEE165 | Basics of Electrical Technology | 3.00 | 3.00 | A- | 3.50 |
| Math135 | Vector Analysis and Statistics | 3.00 | 3.00 | A | 3.75 |
| Credit Attempted, Earned & SGPA | | 15.00 | 15.00 | | 3.600 |

Total Credit Earned & CGPA

42.00

3.36

Level2 -Term1 (Semester-04)

| Course Code | Course Title | Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|---------------------------------|--|-------------------|----------------|--------------|-------------|
| CE200 | Details of Construction | 1.50 | 1.50 | A- | 3.50 |
| CE201 | Engineering Materials | 3.00 | 3.00 | B- | 2.75 |
| CE202 | Concrete Lab. | 1.50 | 1.50 | B+ | 3.25 |
| CE203 | Engineering Geology and Geomorphology | 3.00 | 3.00 | B+ | 3.25 |
| CE204 | Architectural, Engineering and Planning Appreciation | 1.50 | 1.50 | A- | 3.50 |
| CE261 | Fluid Mechanics | 3.00 | 3.00 | B+ | 3.25 |
| Credit Attempted, Earned & SGPA | | 13.50 | 13.50 | | 3.194 |

Total Credit Earned & CGPA

55.50

3.32

Level2 -Term2 (Semester-05)

| Course Code | Course Title | Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|---------------------------------|---|-------------------|----------------|--------------|-------------|
| CE205 | Numerical Analysis | 2.00 | 2.00 | B+ | 3.25 |
| CE206 | Computer Programming Sessional I | 1.50 | 1.50 | A- | 3.50 |
| CE207 | Applied Mathematics for Engineers | 3.00 | 3.00 | B | 3.00 |
| CE211 | Solid Mechanics I | 3.00 | 3.00 | A- | 3.50 |
| CE212 | Structural Mechanics and Materials Lab. | 1.50 | 1.50 | B- | 2.75 |
| CE262 | Fluid Mechanics Sessional | 1.50 | 1.50 | D | 2.00 |
| Hum285 | Engineering Economics | 2.00 | 2.00 | B+ | 3.25 |
| Credit Attempted, Earned & SGPA | | 14.50 | 14.50 | | 3.095 |

Total Credit Earned & CGPA

70.00

3.27

Level2 -Term3 (Semester-06)

| Course Code | Course Title | Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|---------------------------------|--|-------------------|----------------|--------------|-------------|
| CE208 | Computer Programming Sessional II | 1.50 | 1.50 | C+ | 2.50 |
| CE210 | Quantity Surveying | 1.50 | 1.50 | A- | 3.50 |
| CE213 | Solid Mechanics II | 3.00 | 3.00 | B+ | 3.25 |
| Hum281 | English | 2.00 | 2.00 | A- | 3.50 |
| Hum282 | Developing English Language Skills Sessional | 1.50 | 1.50 | B+ | 3.25 |
| Hum287 | Sociology | 2.00 | 2.00 | B | 3.00 |
| Credit Attempted, Earned & SGPA | | 11.50 | 11.50 | | 3.185 |

Total Credit Earned & CGPA

81.50

3.26

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Controller of Examinations

Dhaka, Bangladesh



Academic Transcript



| Grading System | |
|-----------------|--------|
| 80 & above = A+ | 4.00 |
| 75 to < 80 = A | = 3.75 |
| 70 to < 75 = A- | = 3.50 |
| 65 to < 70 = B+ | = 3.25 |
| 60 to < 65 = B | = 3.00 |
| 55 to < 60 = B- | = 2.75 |
| 50 to < 55 = C+ | = 2.50 |
| 45 to < 50 = C | = 2.25 |
| 40 to < 45 = D | = 2.00 |
| < 40 = F | = 0.00 |

Name of the Student : **EYASIN ARAFAT**
 Entrance Qualification : HSC/Equivalent
 Degree : B.Sc. in Civil Engineering
 Registration No. : **BCE1801013149**
 Duration of the Degree : 04 Years
 Year of Passing : 2023 (Summer)
 Number of credits to be earned : 163.00
 Total number of credits earned : 163.00

: HSC/Equivalent
 : B.Sc. in Civil Engineering
 : BCE1801013149
 : 04 Years
 : 2023 (Summer)
 : 163.00
 : 163.00

Level3 -Term1 (Semester-07)

| Course Code | Course Title |
|---------------------------------------|---------------------------------------|
| CE321 | Design of Concrete Structures I |
| CE331 | Environmental Engineering I |
| CE332 | Environmental Engineering Sessional I |
| CE361 | Open Channel Flow |
| CE362 | Open Channel Flow Sessional |
| Hum381 | Principles of Accounting |
| Credit Attempted, Earned & SGPA | |
| Total Credit Earned & CGPA | |

| Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|-------------------|----------------|--------------|-------------|
| 3.00 | 3.00 | B | 3.00 |
| 3.00 | 3.00 | B | 3.00 |
| 1.50 | 1.50 | B | 3.00 |
| 3.00 | 3.00 | A- | 3.50 |
| 1.50 | 1.50 | B | 3.00 |
| 2.00 | 2.00 | B+ | 3.25 |
| 14.00 | 14.00 | | 3.143 |
| 95.50 | | | 3.24 |

Level3 -Term2 (Semester-08)

| Course Code | Course Title |
|---------------------------------------|---|
| CE311 | Structural Analysis and Design I |
| CE312 | Structural Analysis and Design Sessional I |
| CE322 | Concrete Structure Design Sessional I |
| CE323 | Design of Concrete Structure II |
| CE351 | Transportation Engineering I: Transportation Planning and Traffic Engineering |
| CE352 | Transportation Engineering Sessional I |
| Credit Attempted, Earned & SGPA | |
| Total Credit Earned & CGPA | |

| Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|-------------------|----------------|--------------|-------------|
| 3.00 | 3.00 | A | 3.75 |
| 1.50 | 1.50 | A- | 3.50 |
| 1.50 | 1.50 | B | 3.00 |
| 3.00 | 3.00 | B | 3.00 |
| 3.00 | 3.00 | A | 3.75 |
| 1.50 | 1.50 | A- | 3.50 |
| 13.50 | 13.50 | | 3.444 |
| 109.00 | | | 3.27 |

Level3 -Term3 (Semester-09)

| Course Code | Course Title |
|---------------------------------------|--|
| CE313 | Structural Analysis and Design II |
| CE324 | Concrete Structures and Design Sessional II |
| CE333 | Environmental Engineering II |
| CE341 | Principles of Soil Mechanics |
| CE342 | Geotechnical Engineering Lab. |
| CE353 | Transportation Engineering II: Highway Design and Railways |
| Credit Attempted, Earned & SGPA | |
| Total Credit Earned & CGPA | |

| Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|-------------------|----------------|--------------|-------------|
| 3.00 | 3.00 | B- | 2.75 |
| 1.50 | 1.50 | B | 3.00 |
| 3.00 | 3.00 | A | 3.75 |
| 3.00 | 3.00 | B+ | 3.25 |
| 1.50 | 1.50 | B+ | 3.25 |
| 3.00 | 3.00 | A- | 3.50 |
| 15.00 | 15.00 | | 3.275 |
| 124.00 | | | 3.27 |

Level4 -Term1 (Semester-10)

| Course Code | Course Title |
|---------------------------------------|---|
| CE403 | Socio-economics Aspects of Development Projects |
| CE411 | Structural Analysis and Design III |
| CE413 | Design of Steel Structures I |
| CE441 | Foundation Engineering |
| CE461 | Hydrology |
| Credit Attempted, Earned & SGPA | |
| Total Credit Earned & CGPA | |

| Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|-------------------|----------------|--------------|-------------|
| 2.00 | 2.00 | A- | 3.50 |
| 3.00 | 3.00 | B | 3.00 |
| 3.00 | 3.00 | D | 2.00 |
| 3.00 | 3.00 | B- | 2.75 |
| 14.00 | 14.00 | | 2.750 |
| 138.00 | | | 3.22 |

Level4 -Term2 (Semester-11)

| Course Code | Course Title |
|---------------------------------------|--|
| CE401 | Project Planning and Management |
| CE407 | Professional Practices and Communication |
| CE408 | Professional Practices and Communication Sessional |
| CE463 | Irrigation and Flood Management |
| Credit Attempted, Earned & SGPA | |
| Total Credit Earned & CGPA | |

| Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|-------------------|----------------|--------------|-------------|
| 3.00 | 3.00 | C+ | 2.50 |
| 2.00 | 2.00 | A | 3.75 |
| 1.50 | 1.50 | A | 3.75 |
| 3.00 | 3.00 | C | 2.25 |
| 9.50 | 9.50 | | 2.882 |
| 147.50 | | | 3.19 |

Level4 -Term3 (Semester-12)

| Course Code | Course Title |
|---------------------------------------|---|
| CE400 | Project and Thesis |
| CE412 | Computer Aided Analysis and Design of Structures Sessional |
| CE415 | Pre-stressed Concrete |
| CE417 | Design of Concrete Structures III |
| CE451 | Transportation Engineering III: Highway Drainage and Airport |
| CE452 | Transportation Engineering Sessional II |
| CE453 | Transportation Engineering IV: Transportation Planning and Management |
| Credit Attempted, Earned & SGPA | |
| Total Credit Earned & CGPA | |

| Credits Attempted | Credits Earned | Letter Grade | Grade Point |
|-------------------|----------------|--------------|-------------|
| 4.50 | 4.50 | A+ | 4.00 |
| 1.50 | 1.50 | C+ | 2.50 |
| 2.00 | 2.00 | C+ | 2.50 |
| 2.00 | 2.00 | D | 2.00 |
| 2.00 | 2.00 | B+ | 3.25 |
| 1.50 | 1.50 | A- | 3.50 |
| 2.00 | 2.00 | B | 3.00 |
| 15.50 | 15.50 | | 3.129 |
| 163.00 | | | 3.19 |

147/I Green Road, Dhaka-1215
 Awarded the degree on September 20, 2023
 Issued on September 24, 2023

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Controller of Examinations

Dhaka, Bangladesh

Note: The fine points of the Transcript appear on the reverse.



সোনারগাঁও ইউনিভার্সিটি (এসইউ)

Letter of Recommendation

I am writing this letter in support of **Mr. Eyasin Arafat**, who is a recent graduated in B.Sc. in Civil Engineering from Sonargaon University. The duration of the program is 04 (four) academic/calender year. His ID/Registration No. is **BCE1801013149**.

As a Professor at the Department of Civil Engineering & Dean, Faculty of Science & Engineering, I know him for the past 01 (one) year and have found him to be a sincere student.

From my occassional meeting with him, it seemed to me that Eyasin Arafat is hard working and sincere student having interest in research work and also I believe that he will perform better at your university.

It seemed Arafat has a natural inclination for research. This inclination stems from his curious bent of mind and a nature of questioning. His command in English is better. His interest, persistent attitude, and intellectual curiosity drive him to get involved in his work and excel in it.

In my opinion, his over all academic virtues may help in pursuing Master Degree at your university.

I recommend Eyasin Arafat who has applied for the Master Degree Program in your University.

If you need any further information about him, please feel free to contact me.

*Brig. Gen. (Retd.) Prof. Habibur Rahman Kamal, ndc, psc
Estd. 2010
We will rise up, we will shine
02 SEP 2024*

Brig. Gen. (Retd.) Prof. Habibur Rahman Kamal, ndc, psc
Professor, Department of Civil Engineering
& Dean, Faculty of Science & Engineering
Sonargaon University, Dhaka-1215, Bangladesh
Email: dean.se@su.edu.bd / hrkamal@gmail.com
Contact: +8801955529745

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA BANGLADESH

Serial No. DBHC 6078956

DBCCHC 16027621



Registration No. 1110425582 /2014

HIGHER SECONDARY CERTIFICATE EXAMINATION, 2016

This is to Certify that Eyasin Arafat

Son / Daughter of Rafikul Islam

and Rina Sultana

of Western College

bearing Roll

Dhaka

No.

11 33 50

duly passed the

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

G.P.A 4.33 on a scale of 5.00.

Dhaka

Date of Publication of Results : **18 August, 2016.**

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, 2016

Serial No. DBHT **6047467**



DBCH 16027620 ACADEMIC TRANSCRIPT

Name of Student : *Eyasin Arafat*

Father's Name : *Rafikul Islam*

Mother's Name : *Rina Sultana*

Name of Institution : *Western College [1109]*

Name of Centre : *Dhaka - 58, Sheikh Borhanuddin College [119]*

Roll No. : **11 33 50** Registration No. : **1110425582/2014**

Group : *Science* Type of Student : *Regular*

| 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 |

| SL. No. | Name of Subjects | Marks Obtained | Letter Grade | Grade Point | GPA (without additional subject) | GPA |
|---------|--|----------------|--------------|-------------|-------------------------------------|------|
| 1 | Bangla | 138 | A- | 3.5 | 4.00 | 4.33 |
| 2 | English | 148 | A | 4 | | |
| 3 | Information & Communication Technology | 079 | A | 4 | | |
| 4 | Physics | 125 | A- | 3.5 | | |
| 5 | Chemistry | 160 | A+ | 5 | | |
| 6 | Higher Mathematics | 158 | A | 4 | | |

Additional Subject :

| | | | | | |
|---|---------|-----|---|---|------------|
| 7 | Biology | 156 | A | 4 | GP above 2 |
| | | | | | 2.0 |

Date of Publication of Results : 18 August, 2016

Controller of Examinations

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA BANGLADESH

Serial No. S 4073555

DBCSC 14172079



Registration No. 1110425582 /2012

SECONDARY SCHOOL CERTIFICATE EXAMINATION, 2014

This is to Certify that Eyasin Arafat

Son / Daughter of *Rafikul Islam*

and Rina Sultana

of Mithapur L. N. High School

bearing Roll *Charmuguria*

No. 14 69 90 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 Fifth October
Nineteen Hundred And Ninety Eight.

Dhaka

Date of Publication of Results : May 17, 2014.

25

Controller of Examinations

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

WCO9S015

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA

BANGLADESH

Secondary School Certificate Examination - 2014

Serial No. DBS 4201194



DBCS 14172059

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 : *Eyasin Arafat*
 Father's Name : *Rafikul Islam*
 Mother's Name : *Rina Sultana*
 Name of Institution : *Mithapur L. N. High School [5514]*
 Name of Centre : *Charmuguria (Charmuguria Marchents High Sch.) [275]*
 Roll No. : *14 69 90* Registration No. : *1110425582 / 2012*
 Group : *Science* Type of Student : *Regular*
 Date of Birth : *25/10/1998 (Twenty Fifth October Nineteen Hundred And Ninety Eight)*

| Sl. No. | Name of Subjects | Letter Grade | Grade Point | GPA (without additional subject) | GPA |
|-----------------------------|--------------------|--------------|-------------|-------------------------------------|-----|
| 1 | Bangla | A | 4 | | |
| 2 | English | A+ | 5 | | |
| 3 | Mathematics | A+ | 5 | | |
| 4 | Social Science | A | 4 | | |
| 5 | Religion (Islam) | A+ | 5 | | |
| 6 | Physics | A+ | 5 | | |
| 7 | Chemistry | A+ | 5 | | |
| 8 | Biology | A+ | 5 | | |
| Additional Subject : | | | | | |
| 9 | Higher Mathematics | A+ | 5 | GP above 2 3.0 | |

Date of Publication of Results : 17 May, 2014.

Controller of Examinations

Test Report Form

ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.
GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes.
It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed **after two years** from the date of the test.

Centre Number

BD050

Date

03/AUG/2024

Candidate Number

006671

Candidate Details

Family Name

ARAFAT

First Name

EYASIN

Candidate ID

A14759965



Date of Birth

25/10/1998

Sex (M/F)

M

Scheme Code

Private Candidate

Country or Region of Origin

Country of Nationality

First Language

BANGLADESH

BENGALI

Test Results

Listening

7.0

Reading

6.5

Writing

6.0

Speaking

5.5

Overall Band Score

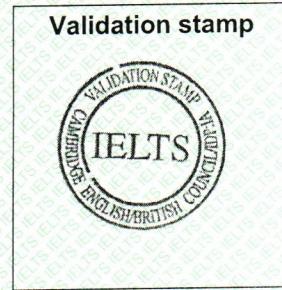
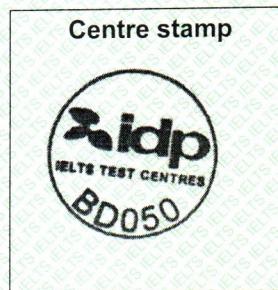
6.5

CEFR Level

B2

Administrator Comments

(Large empty box for administrator comments)



Administrator's Signature

Eshwarneet

Date

14/08/2024

Test Report Form Number

24BD006671ARAE050A