

**KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY
BANGLADESH**



PROVISIONAL CERTIFICATE

Subject to the Approval of the Academic Council

Ayan Saha

is declared to have fulfilled the prescribed requirements of the degree of
Bachelor of Science in Building Engineering and Construction Management
 on **March 03, 2019**

with a Cumulative Grade Point Average of **3.91** in the scale of 4.00
 and which qualifies him/her for award of the degree with Honours.

*Attested
Habib*

28/03/21

Mr. Habibur Rahman Sobuz
 Assistant Professor
 Dept. of Building Engineering and Construction Management
 Khulna University of Engineering & Technology
 Khulna-9203, Bangladesh

Rahman



Prepared by : *SM*

Checked by : *Rihm Ara*

Date : March 25, 2019

Controller of Examinations

KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY

BANGLADESH



TRANSCRIPT OF ACADEMIC RECORD

1. Name of the Student : Ayan Saha

2. Roll Number : 1423009

3. Nationality : Bangladeshi

4. Date of Enrolment : January 03, 2015

5. Degree Awarded : Bachelor of Science in Building Engineering and Construction Management, abbreviated as B. Sc. Eng. (BECM)

6. Sessions Attended : 2014-2015 to 2017-2018

7. Date of Completion of the Degree Requirements : March 03, 2019

8. Number of students in the Class : 56

9. Minimum Number of Credits Required for the Degree : 160.00

10. Total Number of Credits Earned by the Student : 160.50

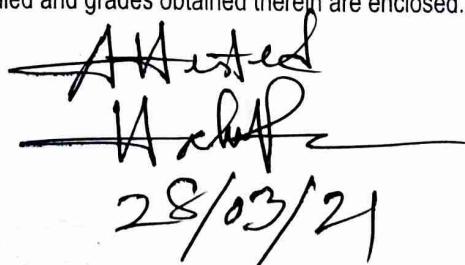
11. Cumulative Grade Point Average (CGPA) Earned by the Student : 3.91

12. Highest Cumulative Grade Point Average (CGPA) in the Class : 3.91

13. Number of Students in the Class Equal to or Better CGPA than this Student : Nil

14. Medium of Instruction : English

Four (4) additional sheets containing name of the courses studied and grades obtained therein are enclosed. General information are printed overleaf.


 Dr. Md. Habibur Rahman Sobuz
 Assistant Professor
 Dept of Building Engineering and Construction Management
 Khulna University of Engineering & Technology
 Khulna-9203 Bangladesh

Prepared by : 

Verified by : 

Date : July 02, 2019

 Controller of Examinations

General Information

Grading System:

The letter grade system shall be used to assess the performance of the student and shall be as follows:

Numerical grade	Letter grade	Grade point
80% or above	A+ A Plus	4.00
75% to less than 80%	A A	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	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	2.25
40% to less than 45%	D D	2.00
Less than 40%	F	0.00
Continuous Assessment (For courses extended over two regular Terms, such as project/thesis/design, etc.)	X	-
Withdrawal	W	-
Incomplete	I	-
Non Credit Course	S/U (Satisfactory/Unsatisfactory)	

Calculation of GPA and CGPA:

Grade point average (GPA) is the weighted average of the grade points obtained in all the courses passed/completed by a student in a Term. 'F' grades will not be counted for GPA calculation. GPA of a Term will be calculated as follows:

$$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

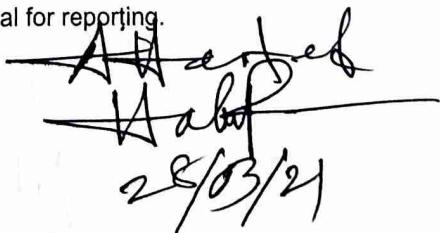
Where n is the total number of courses passed by the student, C_i is the number of credits allotted to a particular course i and G_i is the grade point corresponding to the grade awarded for the course.

Cumulative Grade Point Average (CGPA) gives the cumulative performance of the student from first Term up to any other Term to which it refers and is computed by dividing the total weighted grade points ($\sum C_i G_i$) accumulated up to the date by the total credit hours ($\sum C_i$). Both GPA and CGPA will be rounded off to the second place of decimal for reporting.

- Maximum Attainable CGPA= 4.00
- CGPA Required for Degree with HONOURS = 3.75 or better
- Minimum CGPA Required for Award of Degree = 2.20

Notes:

1. It may be noted that there is an anomaly regarding "sessions attended" and "date of completion of the degree requirements". The anomaly has been created due to delay in starting an academic session and extension of the academic session beyond stipulated calendar year due to various reasons.
2. For further information please contact Controller of Examinations, Khulna University of Engineering & Technology, Khulna 9203, Bangladesh or e-mail: <controller@kuet.ac.bd>


 Dr. Md. Habibur Rahman Sobuz
 Assistant Professor
 Department of Engineering and Construction Management
 Khulna University of Engineering & Technology
 Khulna-9203 Bangladesh
 28/03/21

KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY BANGLADESH



Additional Sheet-1

DETAILS OF ACADEMIC RECORD

Department	: Building Engineering and Construction Management	Roll No.	: 1423009
Student's Name	: Ayan Saha	Session	: 2014-2015

First Year First Term

Period : April 2015 to September 2015

Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	BECM 1152	Architectural Design-I	1.50	4.00	A+
2	CE 1123	Surveying	4.00	4.00	A+
3	Ch 1123	Chemistry	3.00	4.00	A+
4	Ch 1124	Sessional on Chemistry	0.75	4.00	A+
5	Ph 1123	Physics-I	3.00	4.00	A+
6	Ph 1124	Sessional on Physics	1.50	4.00	A+
7	Math 1123	Mathematics-I	4.00	2.75	B-
8	Hum 1123	English	2.00	3.00	B
9	Hum 1124	English Skill Practices	0.75	3.25	B+

Earned Credits	: 20.50	Grade Point Average (GPA)	: 3.63
Cumulative Earned Credits	: 20.50	Cumulative Grade Point Average (CGPA)	: 3.63

First Year Second Term

Period : October 2015 to April 2016

Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	CE 1201	Engineering Mechanics	3.00	3.75	A
2	CE 1213	Building & Construction Materials	4.00	4.00	A+
3	Math 1223	Mathematics - II	3.00	4.00	A+
4	Ph 1223	Physics - II	3.00	3.75	A
5	Hum 1223	Sociology	2.00	3.75	A
6	BECM 1252	Architectural Design-II	1.50	4.00	A+
7	BECM 1254	Architectural Graphics and Engineering Drawing	1.50	3.75	A
8	CE 1212	Practical Surveying	1.50	4.00	A+
9	CE 1214	Sessional on Building & Construction Materials	1.50	4.00	A+

Earned Credits	: 21.00	Grade Point Average (GPA)	: 3.89
Cumulative Earned Credits	: 41.50	Cumulative Grade Point Average (CGPA)	: 3.76

Approved
Habib
28/03/21

Dr. Md. Habibur Rahman Sobuz
Assistant Professor
Dept. of Building Engineering and Construction Management
Khulna University of Engineering & Technology
Khulna-9203 Bangladesh

Prepared by : Ayan Saha

Verified by : Ayan Saha

Date : July 02, 2019

Rahman
Controller of Examinations

KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY BANGLADESH



Additional Sheet-2

DETAILS OF ACADEMIC RECORD

Department	Building Engineering and Construction Management	Roll No.	1423009
Student's Name	Ayan Saha	Session	2015-2016

Second Year First Term

Period : April 2016 to October 2016

Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	BECM 2101	Building Engineering Systems	3.00	4.00	A+
2	BECM 2102	Construction Estimating - I	0.75	4.00	A+
3	BECM 2104	Construction Techniques and Equipments - I	1.50	4.00	A+
4	BECM 2151	Aesthetics and Design	3.00	3.75	A
5	BECM 2152	Architectural Design - III	1.50	3.75	A
6	CE 2111	Mechanics of Solids - I	3.00	4.00	A+
7	CE 2112	Sessional on Mechanics of Solids	1.50	3.75	A
8	Math 2123	Mathematics - III	3.00	3.75	A
9	Hum 2123	Engineering Economics and Financial Accounting	3.00	4.00	A+

Earned Credits	: 20.25	Grade Point Average (GPA)	: 3.89
Cumulative Earned Credits	: 61.75	Cumulative Grade Point Average (CGPA)	: 3.80

Second Year Second Term

Period : November 2016 to March 2017

Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	BECM 2201	Engineering Construction Management	3.00	4.00	A+
2	BECM 2213	Numerical Analysis and Computer Programming	3.00	4.00	A+
3	CE 2211	Mechanics of Solids - II	3.00	4.00	A+
4	EEE 2223	Basic Electrical Engineering	3.00	4.00	A+
5	Math 2223	Mathematics - IV	3.00	3.75	A
6	BECM 2202	Construction Estimating - II	1.50	4.00	A+
7	BECM 2214	Computer Applications and Programming	1.50	4.00	A+
8	BECM 2252	Architectural Design - IV	1.50	4.00	A+
9	EEE 2224	Sessional on Basic Electrical Engineering	0.75	4.00	A+

Earned Credits	: 20.25	Grade Point Average (GPA)	: 3.96
Cumulative Earned Credits	: 82.00	Cumulative Grade Point Average (CGPA)	: 3.84

28/03/21

Dr. Md. Habibur Rahman Sebuz

Assistant Professor

Dept. of Building Engineering and Construction Management

Khulna University of Engineering & Technology

Khulna-9203, Bangladesh

Prepared by :

Verified by :

Date : July 02, 2019

Controller of Examinations

KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY BANGLADESH



Additional Sheet-3
DETAILS OF ACADEMIC RECORD

Department	Building Engineering and Construction Management	Roll No.	1423009
Student's Name	Ayan Saha	Session	2016-2017

Third Year First Term

Period : April 2017 to September 2017

Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	BECM 3101	Construction and Project Management - I	3.00	4.00	A+
2	BECM 3107	Construction Contract and Law	4.00	4.00	A+
3	BECM 3112	Working Drawing	1.50	4.00	A+
4	BECM 3115	Climate and Architectural Design	2.00	4.00	A+
5	BECM 3116	Research Methodology	0.75	4.00	A+
6	BECM 3124	Architectural Design of High Rise Building	0.75	4.00	A+
7	CE 3111	Structural Analysis and Design - I	3.00	4.00	A+
8	CE 3113	Reinforced Concrete Structures - I	3.00	4.00	A+
9	CE 3114	Sessional on Reinforced Concrete Structures	1.50	4.00	A+

Earned Credits : 19.50

Grade Point Average (GPA) : 4.00

Cumulative Earned Credits : 101.50

Cumulative Grade Point Average (CGPA) : 3.87

Third Year Second Term

Period : October 2017 to February 2018

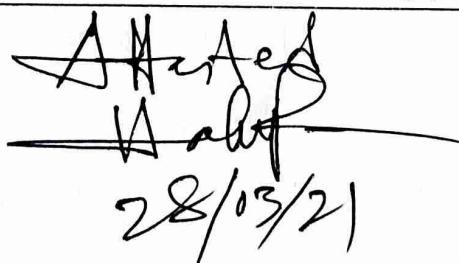
Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	BECM 3201	Construction and Project Management - II	3.00	4.00	A+
2	BECM 3205	Acoustics and Lighting	3.00	4.00	A+
3	CE 3211	Structural Analysis and Design - II	3.00	4.00	A+
4	CE 3213	Reinforced Concrete Structures - II	3.00	4.00	A+
5	CE 3223	Soil Mechanics	3.00	4.00	A+
6	BECM 3200	Project and Seminar	0.75	4.00	A+
7	BECM 3204	Construction Techniques and Equipments - II	1.50	4.00	A+
8	BECM 3208	Landscape Design	1.50	4.00	A+
9	CE 3224	Sessional on Soil Mechanics	1.50	4.00	A+

Earned Credits : 20.25

Grade Point Average (GPA) : 4.00

Cumulative Earned Credits : 121.75

Cumulative Grade Point Average (CGPA) : 3.89


 28/03/21

Dr. Md. Habibur Rahman Sobuz

Assistant Professor

Dept. of Building Engineering and Construction Management

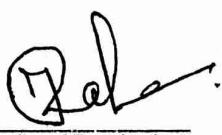
Khulna University of Engineering & Technology

Khulna-9203, Bangladesh

Prepared by : 

Verified by : 

Date : July 02, 2019


 Controller of Examinations

KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY BANGLADESH



Additional Sheet-4
DETAILS OF ACADEMIC RECORD

Department	: Building Engineering and Construction Management	Roll No.	: 1423009
Student's Name	: Ayan Saha	Session	: 2017-2018

Fourth Year First Term

Period : February 2018 to August 2018

Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	BECM 4000	Project and Thesis	1.50	-	X
2	BECM 4101	Project Financing and Construction Marketing	3.00	3.75	A
3	BECM 4103	Construction Communications and Procurement Management	3.00	4.00	A+
4	BECM 4105	Health and Safety in Construction	3.00	4.00	A+
5	BECM 4109	Green Building and Environmental Technology	3.00	4.00	A+
6	BECM 4110	Interior Design	1.50	4.00	A+
7	BECM 4114	Study on Building Project Management	1.50	4.00	A+
8	CE 4123	Foundation Engineering	3.00	4.00	A+
9	CE 4128	Analysis and Design of Tall Building	1.50	4.00	A+

Earned Credits : 19.50

Grade Point Average (GPA) : 3.96

Cumulative Earned Credits : 141.25

Cumulative Grade Point Average (CGPA) : 3.90

Note : BECM 4000 will be evaluated at the end of fourth year second term.

Fourth Year Second Term

Period : August 2018 to January 2019

Serial No.	Course No.	Course Title	Credit	Grade Point	Grade
1	BECM 4000	Project and Thesis	3.00+1.50=4.50	4.00	A+
2	BECM 4200	Professional Practices	0.75	4.00	A+
3	BECM 4201	Quality Management in Construction	3.00	4.00	A+
4	BECM 4203	Information Technology in Construction	2.00	4.00	A+
5	BECM 4204	Sessional on Building Information Modeling	1.50	4.00	A+
6	BECM 4205	Real Estate Development	2.00	4.00	A+
7	CE 4221	Design of Steel Structures	2.00	4.00	A+
8	CE 4223	Precast and Prestressed Concrete	2.00	4.00	A+
9	BECM 4230	Sessional on Structural Health Monitoring	1.50	4.00	A+

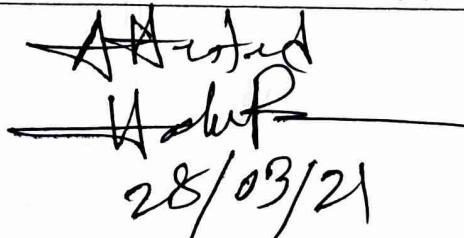
Earned Credits : 19.25

Grade Point Average (GPA) : 4.00

Cumulative Earned Credits : 160.50

Cumulative Grade Point Average (CGPA) : 3.91

Note : BECM 4000 continued from the previous term.


 28/03/21

Dr. Md. Habibur Rahman Sobuz

Assistant Professor

Dept. of Building Engineering and Construction Management

Khulna University of Engineering & Technology

Khulna-9203, Bangladesh

Prepared by : 

Verified by : 

Date : July 02, 2019


 Controller of Examinations