BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

TRANSCRIPT OF ACADEMIC RECORD
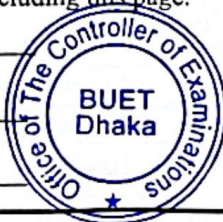
Name	: **Aranya Saha**
Student Number	: **1906010**
Date of Birth	: **January 01, 2003**
Degree Awarded	: **Bachelor of Science in Electrical and Electronic Engineering**
	abbreviated as **B.Sc.Engg.(Electrical and Electronic)**
	(degree awarded with HONOURS)
Sessions Attended[1]	: **2019-20 to 2022-23**
Date of completion of the degree requirements	: March, 2025
Minimum number of Credits required for Degree:	157.50
Total number of Credits earned by the student	: 157.50
Grade Point Average (GPA)[2] earned	: 3.87
Highest GPA in the class	: 3.98
Number of students in the graduating class	: 213
Merit position of the student	: 35
Number of graduates in the class with GPA more than the GPA of this student	: 34

This Transcript contains four pages including this page.

Date Prepared	20/04/2025
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) =** $\dfrac{\sum C_iG_i}{\sum C_i}$ = $\dfrac{\text{Summation of (Number of Credits in a Course X Grade Point Earned in that Course)}}{\text{Total Number of Credits Earned}}$

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

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

Details of Academic Record

Name: Aranya Saha   Student Number: **1906010**

Session 2019-20   Level-1 Term-1 (February,2020-February, 2021)

Course No	Course Title	Credits	Grade	Grade Point
CE 106	Engineering Drawing	1.50	S	---
CSE 109	Computer Programming	3.00	S	---
CSE 110	Computer Programming Sessional	1.50	S	---
EEE 101	Electrical Circuits I	3.00	S	---
EEE 102	Electrical Circuits I Laboratory	1.50	S	---
MATH 157	Calculus I	3.00	S	---
MATH 159	Calculus II	3.00	S	---
PHY 121	Waves and Oscillations, Optics and Thermal Physics	3.00	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: 19.50	Cummulative GPA: 0.00	

Session 2019-20   Level-1 Term-2 (February,2021-November, 2021)

Course No	Course Title	Credits	Grade	Grade Point
CHEM 101	Chemistry	3.00	A+	4.00
CHEM 114	Inorganic and Quantitative Analysis Laboratory	1.50	A+	4.00
EEE 105	Electrical Circuits II	3.00	A+	4.00
EEE 106	Electrical Circuits II Laboratory	1.50	A+	4.00
HUM 277	Fundamentals of Economics	3.00	A+	4.00
MATH 257	Ordinary and Partial Differential Equations	3.00	A+	4.00
PHY 102	Physics Sessional	1.50	A+	4.00
PHY 165	Electricity and Magnetism, Modern Physics and Mechanics	3.00	A+	4.00

Credit Earned: 19.50	Term GPA: 4.00	
Cummulative Credits: 39.00	Cummulative GPA: 4.00	

Session 2020-21   Level-2 Term-1 (November,2021-May, 2022)

Course No	Course Title	Credits	Grade	Grade Point
EEE 201	Electronic Circuits I	3.00	A+	4.00
EEE 202	Electronic Circuits I Laboratory	1.50	A+	4.00
EEE 203	Energy Conversion I	3.00	A+	4.00
EEE 211	Continuous Signals and Linear Systems	3.00	A+	4.00
EEE 212	Numerical Technique Laboratory	1.50	A+	4.00
HUM 135	English	3.00	A-	3.50
HUM 272	Developing English Skills Laboratory	1.50	A	3.75
MATH 259	Linear Algebra	3.00	A+	4.00

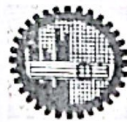|		
Credit Earned: 19.50	Term GPA: 3.90	
Cummulative Credits: 58.50	Cummulative GPA: 3.95	

Date Prepared   20/04/2025

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: Aranya Saha　　　　　　　　　　　　　　　　Student Number: **1906010**

Session 2020-21　　　　　　　　　　　**Level-2 Term-2 (May,2022-November, 2022)**

Course No	Course Title	Credits	Grade	Grade Point
EEE 205	Energy Conversion II	3.00	A+	4.00
EEE 206	Energy Conversion laboratory	1.50	A+	4.00
EEE 207	Electronic Circuits II	3.00	A	3.75
EEE 208	Electronic Circuits II Laboratory	1.50	A+	4.00
EEE 209	Engineering Electromagnetics	3.00	B	3.00
MATH 357	Probability and Statistics	3.00	A+	4.00
ME 267	Mechanical Engineering Fundamentals	3.00	A	3.75
ME 268	Mechanical Engineering Fundamentals Sessional	1.50	A-	3.50

Credit Earned: 19.50　　　　Term GPA: 3.73

Cummulative Credits: 78.00　　　Cummulative GPA: 3.88

Session 2021-22　　　　　　　　　　　**Level-3 Term-1 (November,2022-May, 2023)**

Course No	Course Title	Credits	Grade	Grade Point
EEE 305	Power System I	3.00	A	3.75
EEE 306	Power System I Laboratory	1.50	A+	4.00
EEE 307	Electrical Properties of Materials	3.00	A	3.75
EEE 309	Communication Systems I	3.00	A+	4.00
EEE 310	Communication Systems I Laboratory	1.50	A+	4.00
EEE 311	Digital Signal Processing I	3.00	A+	4.00
EEE 312	Digital Signal Processing I Laboratory	1.50	A+	4.00
HUM 279	Financial and Managerial Accounting	3.00	A+	4.00

Credit Earned: 19.50　　　　Term GPA: 3.92

Cummulative Credits: 97.50　　　Cummulative GPA: 3.89

Session 2021-22　　　　　　　　　　　**Level-3 Term-2 (June,2023-November, 2023)**

Course No	Course Title	Credits	Grade	Grade Point
EEE 303	Digital Electronics	3.00	A+	4.00
EEE 304	Digital Electronics Laboratory	1.50	A+	4.00
EEE 313	Solid State Devices	3.00	A+	4.00
EEE 315	Power Electronics	3.00	A-	3.50
EEE 316	Power Electronics Laboratory	1.50	A+	4.00
EEE 317	Control Systems I	3.00	A+	4.00
EEE 318	Control Systems I Laboratory	1.50	A+	4.00
IPE 493	Industrial Management	3.00	B+	3.25

Credit Earned: 19.50　　　　Term GPA: 3.81

Cummulative Credits: 117.00　　　Cummulative GPA: 3.87

Date Prepared　　　20/04/2025

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: Aranya Saha   Student Number: **1906010**

Session 2022-23   **Level-4 Term-1 (November,2023-July, 2024)**

Course No	Course Title	Credits	Grade	Grade Point
EEE 400	Project/Thesis	3.00	X	---
EEE 401	Artificial Intelligence and Machine Learning	3.00	A+	4.00
EEE 402	Artificial Intelligence and Machine Learning Laboratory	1.50	A+	4.00
EEE 415	Microprocessors and Embedded Systems	3.00	A	3.75
EEE 416	Microprocessors and Embedded Systems Laboratory	1.50	A	3.75
EEE 417	Random Signals and Processes	3.00	A+	4.00
EEE 439	Communication Systems II	3.00	B+	3.25
EEE 447	Introduction to Digital Image Processing	3.00	A	3.75

Credit Earned: 18.00   Term GPA: 3.77

Cummulative Credits: 135.00   Cummulative GPA: 3.86

Session 2022-23   **Level-4 Term-2 (August,2024-March, 2025)**

Course No	Course Title	Credits	Grade	Grade Point
EEE 400	Project/Thesis	3.00 [+ 3.00]	A+	4.00
EEE 403	Robotics and Automation	3.00	A+	4.00
EEE 404	Robotics and Automation Laboratory	1.50	A+	4.00
EEE 414	Electrical Services Design	1.50	A+	4.00
EEE 435	Optical Communications	3.00	A+	4.00
EEE 437	Wireless Communications	3.00	A+	4.00
EEE 438	Wireless Communication Laboratory	1.50	A+	4.00
EEE 443	Radar and Satellite Communication	3.00	A-	3.50

Credit Earned: 22.50   Term GPA: 3.93

Cummulative Credits: 157.50   Cummulative GPA: 3.87

Date Prepared   20/04/2025

Prepared by

Verified by

Controller of Examinations
Bangladesh University of Engineering & Technology
DHAKA