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THE FIRST PRIVATE UNIVERSITY IN BANGLADESH

ESTABLISHED BY THE NORTH SOUTH UNIVERSITY FOUNDATION Plot # 15, Block # B, Bashundhara, Dhaka-1229, Bangladesh. Phone: +88 02 55668200 Fax: +88 02 55668202, email: controller@northsouth.edu, Website: www.northsouth.edu

Office of the Controller of Examinations

To

Student

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Official Transcript Student Name Student ID Date of Birth Degree Objective

23 Aug 2021 : Mir Tanvir Islam : 1711730 0 42 : 27 Feb 1998

: Bachelor of Science in Computer Science and

Engineering

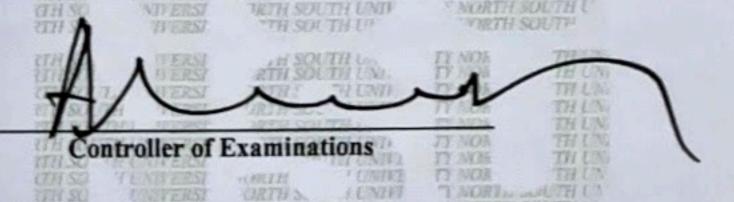
	THE SEC. LEWIS LAND SECURITION.	D. NOA	THUN		
	Vaived (6 Credits Accepted)	TT NOW	(11/00)	C	CC CD
Course	Course Title	TY NOA	Cr.	Gr.	CC CP
ENG102	Introduction to Composition	TENCH	3.0		
MAT112	Elementary Mathematics THUNIVE	TYNOR	3.0		
Spring 20	17 SG UNIVERSI ORTHS (UNIVI	"Y NORTH AND	UTHUN		
Course	Course Title	NORTH SO	Cr.	Gr.	CC CP
CSE115	Programming Language I	The same of the sa	3.0	A	3.0 3.0
CSE115L	Programming Language I Lab	TYNOS	TH 1.0	A	1.0 1.0
ENG103	Intermediate Composition	TYNOK	3.0	B+	3.0 3.0
MAT116	Pre-Calculus ERSI PRIH SOUTH U.	TYNOA	7//3.0	В	0.0 3.0
Semester (Credit: 7.00 TGPA: 3.70	TYNOK	THUN	CG	PA: 3.70
Summer 2	20170 YUNIVERST JUNIVE	TY NOR	JTH UN		
Course	Course Title ERST RIH SOUTH UNIV	NORTH SC	Cr.	Gr.	CC CP
CHE101	General Chemistry	***ORTH SY	3.0	B+	3.0 3.0
CHEIOIL		TYNOA	441.0	В	1.0 1.0
CSE173	Discrete Mathematics RTHS 4 UNIV	TYNOK	7113.0	B+	3.0 3.0
MAT120	Calculus and Analytic Geometry-I	TENOR	7,3.0	A-	3.0 3.0
PBH101	Introduction to Public Health	TYNOK			
		TINOS	3.0	A	
Semester	Oredit: 10.00 IVERSI ORTH SO UNIVERSI ORTH SO UNIVERSI	TNORTH	JUTH UN	CC	iPA: 3.52
Fall 2017	TH SG NIVERSI ORTH SOUTH UNIV	V NORTH SC	DUTH U		
Course	Course Title	OK111 50	Cr.	Gr.	
CSE215	Programming Language II	TYNOK	7//3.0	A	3.0 3.0
CSE215L	Programming Language II Lab	TYNOK	7/11.0	A-	1.0 1.0
ECO101	Introduction to Microeconomics	TYNOK	3.0	B-	3.0 3.0
MAT125	Introduction to Linear Algebra THUMB	TYNOn	7//3.0	В	3.0 3.0
Semester	Credit: 10.00 TGPA: 3.28	TY NOR	TH UN	CC	GPA: 3.43
Spring 20	TH'SO UNIVERSI ORTH'S LUNIVI	Y NORTH S	JUTH UN		
Course	Course Title ERSI TH SOUTH UN	ORTH SC	OUTH Cr.	Gr.	CC CP
BIO103	Biology I WERST H SOUTH L.	TYNON	7//3.0	B+	3.0 3.0
BIO103L	Biology I Lab	TYNUK	1.0	A-	1.0 1.0
CSE225	Data Structure & Algorithm	TYNON	TH 3.0	В	3.0 3.0
CSE225L	THE STATE OF THE S	TINOB	0.0	В	0.0 0.0
		TYNOK	TH 3.0	A-	3.0 3.0
ENV203	Calculus and Analytic Geometry-II	TYNOR	3.0	В	3.0 3.0
MAT130	177100 E1023 1772 E2127	NORTH SE	DITHU		3PA: 3.38
Semester	Credit: 13.00 TGPA: 3.28	VIRTH SO	OUTH	-	
Summer :	2018 WEDST MISOUTH	TYNOS	THUN	_	cc cr
Course	Course Title ERSI RTH SOUTH UNI.	TYNOR	TH Cr.	Gr.	
CSE231	Digital Logic RSI ORTH ST	TYNOS	3.0	A	3.0 3.0
EEE141	Electrical Circuits RTH SOUTH	TYNOS	TH 3.0	B+	3.0 3.0
EEE141L	Electrical Circuits Lab	TYNOS	TH 1.0	B+	1.0 1.0
EEE154	Engineering Drawing	TY NOW	1.0	A	1.0 1.0
MAT250	Calculus and Analytic Geometry IV	V NORTH SO	DUTH 3.0	C-	3.0 3.0
POL101	Political Science	AND THE PARTY OF	3.0		3.0 3.0
Semester (Credit: 14.00 TGPA: 3.16	TYNOK	THUN	CC	3PA: 3.32
Fall 2018	CHAIL THE STATE OF	TYNOK	TH UN		
		TY NON	THCr.	Gr.	CC CP
Course	Computer Organization and Architecture	TENUR	3.0	A	3.0 3.0
CSE332	and the second s	TYNOR	7113.0	B-	3.0 3.0
ENGIII	Public Speaking	Trumin	3.0	B-	3.0 3.0
MAT350	Engineering Mathematics	V NORTH SO		В	3.0 3.0
PHY107	General Physics-1	TY NOR	11.0	A	1.0 1.0
-	Physics I Lab	TENOS	T-988 (NO.10)		GPA: 3.29
Semester	Credit: 13.00 TGPA: 3.17	TYNOK	TH UN	C	JIA . 3.23
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Course	Ourse Title	Cr.	Gr. CC CP
CSE311	Database Management System	3.0	A 3.0 3.0
CSE323	Operating Systems Design	3.0	B- 3.0 3.0
EEE111	Analog Electronics	3.0	A 3.0 3.0
EEEIIIL	Analog Electronics Lab	1.0	A 1.0 1.0
MAT361	Probability and Statistics	3.0	D 0.0 0.0
PHY108L		1.0	A 1.0 1.0
	redit: 11.00 TGPA: 3.65		CGPA: 3.34
Summer 2	019		
Course	Course Title	Cr.	Gr. CC CP
CSE327	Software Engineering	3.0	A- 3.0 3.0
CSE438	Data Communication & Network	3.0	A- 3.0 3.0
HIS103	Emergence of Bangladesh	3.0	B+ 3.0 3.0
PHI104	Introduction to Ethics	3.0	B 3.0 3.0
Semester C	redit: 12.00 TGPA: 3.43		CGPA: 3.35
Fall 2019			C CC CD
Course	Course Title	Cr.	Gr. CC CP
BEN205	Bengali language and Literature	3.0	B- 3.0 3.0
CSE299	Junior Design	1.0	B+ 1.0 1.0
CSE331	Microprocessor Interfacing & Embedded System	3.0	B 3.0 3.0
CSE373	Design and Analysis of Algorithms	3.0	B+ 3.0 3.0
EEE452	Engineering Economics and Management	3.0	A- 3.0 3.0
HIS102	Introduction to World Civilization	3.0	
HIS102	Introduction to World Civilization redit: 16.00 TGPA: 3.21	3.0	
HIS102	Credit: 16.00 TGPA: 3.21		CGPA: 3.33
HIS102 Semester C	redit: 16.00 TGPA: 3.21	Cr.	CGPA: 3.33 Gr. CC CP
HIS102 Semester C Spring 202 Course	Credit: 16.00 TGPA: 3.21		Gr. CC CP B+ 3.0 3.0
HIS102 Semester C Spring 202 Course	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning	Cr.	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0
HIS102 Semester C Spring 202 Course CSE445 CSE465	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning	Cr. 3.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0
HIS102 Semester C Spring 202 Course CSE445 CSE465 CSE473	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition	Cr. 3.0 3.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0
HIS102 Semester C Spring 202 Course CSE445 CSE465 CSE473 CSE499A	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition Parallel Processing	Cr. 3.0 3.0 3.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5
HIS102 Semester Course CSE445 CSE465 CSE473 CSE499A Semester Course CSE499A	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 020	Cr. 3.0 3.0 3.0 1.5	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3
HIS102 Semester Course CSE445 CSE465 CSE473 CSE499A Semester Course Course	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 020 Course Title	Cr. 3.0 3.0 3.0 1.5	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3
HIS102 Semester Course CSE445 CSE465 CSE473 CSE499A Semester Course Course CSE425	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 O20 Course Title Concepts of Programming Language	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3' Gr. CC CP A 3.0 3.0
Semester Course CSE445 CSE465 CSE473 CSE499A Semester Course Course CSE425 CSE425 CSE425	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 O20 Course Title Concepts of Programming Language Intern/Co-op/Directed Research	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0 0.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3 Gr. CC CP A 3.0 3.0 A 0.0 0.0
HIS102 Semester Course CSE445 CSE465 CSE473 CSE499A Semester Course CSE425 CSE425 CSE498R CSE499B	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 O20 Course Title Concepts of Programming Language Intern/Co-op/Directed Research Senior Design Project II	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0 0.0 1.5	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3 Gr. CC CP A 3.0 3.0 A 0.0 0.0 A 1.5 1.5
Semester Course CSE445 CSE465 CSE465 CSE473 CSE499A Semester Course CSE425 CSE425 CSE498R CSE499B MAT361	Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 020 Course Title Concepts of Programming Language Intern/Co-op/Directed Research Senior Design Project II Probability and Statistics	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0 0.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3 Gr. CC CP A 3.0 3.0 A 0.0 0.0 A 1.5 1.5 A 3.0 3.0
HIS102 Semester Course CSE445 CSE465 CSE473 CSE499A Semester Course CSE425 CSE425 CSE498R CSE499B	Credit: 16.00 TGPA: 3.21 Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 O20 Course Title Concepts of Programming Language Intern/Co-op/Directed Research Senior Design Project II	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0 0.0 1.5	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3 Gr. CC CP A 3.0 3.0 A 0.0 0.0 A 1.5 1.5 A 3.0 3.0
Semester Course CSE445 CSE465 CSE465 CSE473 CSE499A Semester Course CSE425 CSE498R CSE499B MAT361 PHY108	Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 020 Course Title Concepts of Programming Language Intern/Co-op/Directed Research Senior Design Project II Probability and Statistics	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0 0.0 1.5 3.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.3 Gr. CC CP A 3.0 3.0 A 0.0 0.0 A 1.5 1.5 A 3.0 3.0 A 3.0 3.0 A 3.0 3.0
Semester Course CSE445 CSE465 CSE465 CSE473 CSE499A Semester Course CSE425 CSE498R CSE499B MAT361 PHY108 Semester Course CSE499B MAT361 PHY108 Semester Course CSE499B MAT361	Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 O20 Course Title Concepts of Programming Language Intern/Co-op/Directed Research Senior Design Project II Probability and Statistics General Physics-II Credit: 10.50 TGPA: 4.00	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0 0.0 1.5 3.0 3.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.37 Gr. CC CP A 3.0 3.0 A 0.0 0.0 A 1.5 1.5 A 3.0 3.0 CGPA: 3.47
Semester Course CSE445 CSE465 CSE465 CSE473 CSE499A Semester Course CSE425 CSE425 CSE498R CSE499B MAT361 PHY108 Semester Course CSE499B MAT361 PHY108 CSE499B MAT361 PHY108 CSE499B CSE49B CSE4B	Course Title Machine Learning Pattern Recognition Parallel Processing Senior Design Project I Credit: 10.50 TGPA: 3.71 O20 Course Title Concepts of Programming Language Intern/Co-op/Directed Research Senior Design Project II Probability and Statistics General Physics-II	Cr. 3.0 3.0 3.0 1.5 Cr. 3.0 0.0 1.5 3.0	Gr. CC CP B+ 3.0 3.0 A- 3.0 3.0 A 3.0 3.0 A 1.5 1.5 CGPA: 3.33 Gr. CC CP A 3.0 3.0 A 0.0 0.0 A 1.5 1.5 A 3.0 3.0 A 3.0 3.0 A 3.0 3.0

Summary

: 127.0 **Total Credits Counted** : 130.0 **Total Credits Passed** : 133.0 Total Credit with transfer/waiver : 434.2 **Total Grade Points Cumulative Grade Point Average** : 3.42 : December 2020 Month in which Degree completed

******** End of Transcript ********



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Transcript Details

Accreditation: North South University has been accredited by the Government of the People's Republic of Bangladesh, and its curricula as well as programs have been approved by the University Grants Commission of Bangladesh. The President of the People's Republic of Bangladesh is the Chancellor of North South University. The Vice Chancellor is an appointee of the President of the Country in his capacity as the Chancellor of the University.

Medium of Instruction; English is the officially approved medium of instruction in North South University.

Academic Calendar: Trisemester system. Spring: January - April,13 weeks Summer: May - August,13 weeks Fall: September- December, 13 weeks

Grading System: 0.00 to 4.00 point scale Letter grades indicating the quality of course work completed are interpreted as follows:

Numerical Scores	Letter Grade	Grade Points per Credit
93 and above	A Excellent	4.0
90 - 92	A-	3.7
87 - 89	B+	3.3
83 - 86	BGood	3.0
80 - 82	B-	2.7
77 - 79	C+	2.3
73 - 76	C Average	2.0
70 - 72	C-	1.7
67 - 69	D+	1.3
60 - 66	DPoor	1.0
Below 60	F Failure	0.0

Credits for courses with the following grades do not apply toward CGPA calculation:

Grades	Meaning	Grade Value
I	Incomplete	0.0
W	Withdrawal	0.0
WV	Waiver	0.0
X	Research/	
	Thesis in Process	0.0

- The transcript shows the grade for eachcourse and a cumulative result for all courses for which the student was enrolled in North South University.
- Courses that have been waived do not display a grade; they are presented by course and the number of credits.
- Credits accepted as transfer from other universities are counted towards degree, except for Cumulative Grade Point Average (CGPA) calculation.

- Cumulative Grade Point Average (CGPA) is calculated by Total Grade Points divided by Total Credits Counted.
- In case of retaken courses only the better grades have been counted in the CGPA calculation but the grade point of the course previously done is shown in the transcripts as 0.0.

Award	CGPA	
Gold Medal*		
Summa Cum Laude**	3.80 - 4.00	
Magna Cum Laude**	3.65 - 3.79	
Cum Laude**	3.50 - 3.64	

*The Chancellor's Gold Medal is for the recipients of the highest CGPA for Undergraduate and Graduate programs. This criterion is valid for the year 2003 and onward.

*The Vice Chancellor's Gold Medal is for the recipients of the 2nd highest CGPA for Undergraduate and Graduate programs. This criterion is valid for the year 2003 and onward.

**This criteria is valid for the year 2001 and onward.

Authenticity:

- Official Transcripts are printed on security papers, with an embossed seal of North South University and are signed by the Controller of Examinations.
- The face of this document has the name of the University (NSU) in small green type print vertically in the left of the document and it contains a hidden logo of NSU at the centre, visible on exposure to Ultra-violet light.
- A black and white document is not an original and should not be accepted as an Official Institutional Document.
- This transcript cannot be released to a third party without the written consent of the student.

If and when in doubt as to the authenticity of this transcript, please do not hesitate to contact with the Office of the Controller of Examinations, North South University, Basundhara, Dhaka 1229, Bangladesh.

Phone: +880 2 55668200 Extn 2210. Fax: +880 2 55668202

E-mail: controller@northsouth.edu Website: www.northsouth.edu