

# THE GRADUATE SCHOOL

# APPLICATION FOR GRADUATE ADMISSION

For Internal Use Only: Program Code Computer Science PhD Semester Fall 2016  
International Rashid  
 International/Domestic Last Name

## DEGREE OBJECTIVE

Entrance Semester: Fall 2016 ☐ Part-time Study ☒ Full-time Study  
 Program & Degree: Computer Science PhD Specialization \_\_\_\_\_

Application Fee:

Credit Card

## PERSONAL INFORMATION

Prefix: \_\_\_\_\_  
 First Name: Nafiul Middle: \_\_\_\_\_  
 Last Name: Rashid Suffix: \_\_\_\_\_

Other Last Names under which post secondary education records may exist or used for prior SBU applications:

Social Security # \_\_\_\_\_ Birthdate (mm/dd/yy) December 10 1991 Sex Male Choose Not to Answer \_\_\_\_\_  
 Ethnicity \_\_\_\_\_

## COUNTRY OF CITIZENSHIP: Bangladesh

If you are not a U.S. citizen, please answer the following questions:

Country of Birth: \_\_\_\_\_  
 Are you a Permanent Resident of the U.S.? ☐ Yes ☒ No If yes, alien registration number: \_\_\_\_\_

All applicants, please answer the following questions:

Are you a resident of NY State? ☐ Yes ☒ No  
 If so, how many years and months? Years \_\_\_\_\_ Months \_\_\_\_\_  
 Did you attend an approved New York State High School for at least two years and graduate from an approved New York State High School or have you received a New York State General Equivalency Diploma? ☐ Yes ☒ No  
 If yes, enter the year of graduation or GED? \_\_\_\_\_

## CONTACT INFORMATION

Email address: nafiul.rashid@gmail.com

## PERMANENT LEGAL / HOME ADDRESS

Country: Bangladesh Permanent Telephone Number: +8801793593579

Number and Street: South Thanapara, Bistic Road

City: Tangail Zip code: 1900

State: \_\_\_\_\_

## CURRENT MAILING ADDRESS (Mail will be received at this address until: \_\_\_\_\_ )

Country: Bangladesh Permanent Telephone Number: +8801793593579

Number and Street: South Thanapara, Bistic Road

City: Tangail Zip code: 1900

State: \_\_\_\_\_ Fax #: \_\_\_\_\_

Last Name: Rashid Program Code: Computer Science PhD

## EDUCATION

Name and Location Of Institution	Dates of Attendance (dd/mm/yyyy)	Major	Degree Received or to be received	Date Awarded/ to be awarded	Cumulative GPA
Islamic University of Technology Gazipur	From 01/01/2010 To 10/30/2013	Computer Science	Bachelor of Science	10/30/2013	4.00
Islamic University of Technology Gazipur	From 01/01/2014 To 11/23/2015	Computer Science	Master of Science	11/23/2015	4.00
	From To				
	From To				
	From To				

How did you learn about SUNY Stony Brook? Friend/Colleague

Applied to or attended SBU (ie UG, SPD, HSC, etc.) ☐ Yes ☒ No SOLAR ID# (if known) \_\_\_\_\_

Attended under another name? \_\_\_\_\_ Program: \_\_\_\_\_

Accepted? ☐ Yes ☐ No Graduate? ☐ Yes ☐ No

## EMPLOYMENT

Name of Employer Occupation/Title Inclusive Dates to Present

Name of Employer	Occupation/Title	Inclusive Dates to Present
Islamic University of Technology	Lecturer	12/25/2013

## RECOMMENDATIONS

Name	Address	Relationship to applicant	Online/Paper Submission
Muhammad Mahbub Alam	Dept. of CSE, Isl Board Bazar Gazipur 1704	Teacher and Colleague	×
Abu Raihan Mostofa Kamal	Dept. of CSE, Isl Board Bazar Gazipur 1704	Teacher and Colleague	×
M. A. Mottalib	Dept. of CSE, Isl Board Bazar Gazipur 1704	Teacher and Colleague	×

Have you ever been: ☐ Convicted of a felony? ☐ Dismissed from a college for disciplinary reasons? (check if yes)

Do you have any special needs arising from physical disabilities? N

What is your Military or Veteran's Status? None From \_\_\_\_\_ to \_\_\_\_\_

## ADDITIONAL QUALIFICATIONS

Books \_\_\_\_\_  
Title Publisher Date

Articles RARRA: Receiver Assisted Robust Rate IUT Journal of Engineering and Technology (JET) 06/15/2015  
Title Publisher Date

Other A Secured Cloud based Health Care Data International Journal of Computer Applications 07/01/2012  
Work Title Publisher Date

**LANGUAGES**

What is/are your primary or native language(s)?

1) Bengali 2) English**ENGLISH PROFICIENCY TEST SCORES:** (regardless of citizenship, if English is not the student's primary/native language, one of the below scores is required for admittance to the Graduate School.)**ADDITIONAL LANGUAGES AND LEVELS OF PROFICIENCY**

Language	Years of Of Study	Type of Study	SPEAKING			READING			WRITING		
			High	Mod	Low	High	Mod	Low	High	Mod	Low
English	12	12, High School, College and		×			×			×	

**TEST SCORES**TOEFL: \_\_\_\_\_ IELTS: 7.5 Date taken: 06/2015

**GRE**  
 Date Taken 10/05/2015 Verbal Score 150 % 45 Quantitative Score 162 % 83 Analytical Score % 3.0 15

**GRE**  
 Date Taken \_\_\_\_\_ Verbal Score \_\_\_\_\_ % \_\_\_\_\_ Quantitative Score \_\_\_\_\_ % \_\_\_\_\_ Analytical Score % \_\_\_\_\_

**GMAT**  
 Date Taken \_\_\_\_\_ Verbal Score \_\_\_\_\_ % \_\_\_\_\_ Quantitative Score \_\_\_\_\_ % \_\_\_\_\_ Total \_\_\_\_\_

**FINANCIAL AID**

I wish to be considered for the following types of program or university support:

- ☒ Teaching or Graduate Assistantship  
☒ Research Assistantship  
☐ Graduate Council Fellowship (U.S. Citizens and permanent residents only)  
☐ Turner Fellowship (underrepresented minorities only)  
☒ Tuition Scholarship  
☒ IACS Fellowship (please see [iacs.stonybrook.edu](http://iacs.stonybrook.edu) for eligible departments)

Have you applied for a National Science Foundation Graduate Research Fellowship? ☐ Yes ☒ No

Fellowships, scholarships, and other honors which applicant has held or currently holds: (Source/title/applicable dates)

## PERSONAL STATEMENT

What would you consider your special qualifications to be, over and above those called for on the previous pages of the application? Discuss briefly your experience relative to the area of proposed study outside the classroom. What do you propose to do with your advanced degree, professionally? (**Attach a separate sheet if necessary**).

Applicant Copy

I hereby certify that the information given by me on this application is complete and accurate. I submit this application personally, on my own behalf and without the assistance or representation of any third party. I understand that any misrepresentation may be cause for denying admission or permission to register at any time.

**SIGNATURE OF APPLICANT:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Statement of Purpose

As an eager mind who loves to explore the future challenges of Computer Science towards technology, I have a predilection to grab any opportunity that involves research regarding the burgeoning of it. Security has always been one of the most important and challenging issues that the Computer Scientists have to face. Being one of the most significant domains of Computer Science, this field has given me the impetus to pursue Ph.D. in this field. I believe graduate education in the department of Computer Science of Stony Brook University can provide me an everlasting experience that will be significant enough to sustain my passion as a researcher. Having a strong affiliation with the industry, I think this is the perfect place to get acquainted to the cutting edge technologies in parallel to state-of-the-art research. Several years from now, I picture myself as a faculty in a reputed university or as an extensive researcher in institutes like Google, Microsoft or Bell Labs to make a real difference on latest problems in the field.

Back in the year 2009 after completing my higher secondary education it was a tough call for me to choose my career between defense and engineering since I got selected for both. As I completed my secondary and higher secondary education from cadet college, my family members expected me to join the defense force but my interest in science dates back from school. So, I listened to my mind and chose to pursue my career in engineering. And the foundation of my dream was first laid on at the department of Computer Science and Engineering (CSE) at Islamic University of Technology (IUT), one of the leading engineering universities in Bangladesh. Only few students holding highest quality result get the chance to study in this university after a very competitive admission test. In an environment that is intensely vying where research goes hand-in-hand with learning, I had the opportunity to engage myself in both theoretical research work and implementation, thus laying a sound foundation for graduate study. I was ranked first in a class of 47 in my undergraduate study with a CGPA of 4.00 out of 4.00 and received IUT Gold Medal for my academic excellence.

During my undergraduate studies, I found keen interest in subjects like Algorithm, Data Structures, System Programming and Security, Machine Learning, Data and Telecommunications, Communication Engineering, Wireless Networks, Database Management Systems, Relational Database Programming, Artificial Intelligence and Expert Systems. I was surprised by the vastness of computer networks and how it has brought the whole world under one umbrella, especially wireless network that has given birth to the concept of mobile users and portable devices. The generation where mobile phones, laptops and tabs have replaced the usage of desktop computers, concentrating on the further development of wireless network is a must. From that realization, I decided to do my Bachelor's thesis on 'Rate Adaptation' in wireless networks. I developed a rate adaptation algorithm that outperformed most of the existing algorithms. During this time I got deeply involved in 'ns-3' simulator where I had to modify the kernel to incorporate my own algorithm.

My supervisor, being a very passionate researcher taught me how to spend committed hours going through reputed Journal and Conference publications. After months of laboring I eventually realized how meaningful a career in research could be. At the end of the year, my thesis was well received by the panel of professors and I obtained highest grade for my thesis. Later, my thesis was published in IUT Journal of Engineering and Technology.

Upon my graduation, I was offered to join as a lecturer at the same university in December 2013. As part of my teaching responsibilities, I have conducted several courses like Fundamentals of Computers, Communication Engineering, Mathematical and Statistical Analysis. I have also conducted labs on RDBMS Programming, Computer Networks, Internet Engineering, Wireless Networks, Software Development, Artificial Intelligence and Expert Systems, Simulation Modeling and Performance Evaluation. Besides, I supervised two undergraduate project groups. In addition to that, I also co-supervised one undergraduate thesis group on data mining. Manuscript of our work is under preparation and will be submitted to a reputed conference very soon. Other than my official responsibilities I also mentored several junior year students who became champion in various application development contests in national level.

In parallel to my teaching profession I also completed my Master's degree from IUT. My Master's thesis work is an extension of my bachelor's thesis. I addressed the stale feedback problem prevalent in many rate adaptation algorithms and provided a novel approach to overcome it. This time also my proposed algorithm showed better performance compared to the existing ones. My thesis was well appreciated by the dissertation committee and I completed my Master's degree in November 2015 with a CGPA of 4.00 out of 4.00. The manuscript for the journal version of my thesis is under preparation and will be submitted to a reputed journal very soon.

Besides, I have started collaboration with professors from Canada this summer. So far we have completed one project on RFID networks. We developed a redundant reader elimination algorithm that gives minimum number of readers required to cover all the tags available. The performance of our algorithm was very promising compared to other prevalent ones. I also developed a simulator in python for this purpose. We submitted our work to an IEEE conference, which is currently under review.

Apart from academics and research, I have always been involved in co-curricular and extra-curricular activities since my childhood. In my primary school life, I led my own school team in National Scout Jamboree as a team leader. During my tenure at Cadet College, I participated in Inter House Debating Competitions, Cricket and Football tournaments. I was also appointed as House Cultural Prefect as a certification of my leadership and co-curricular skills. In my sophomore year of university, I was elected as the member secretary of IUT Computer Society that organizes the nation's biggest ICT festival every year. In the following years I worked as one of the organizing committee members of ICT fest. Besides, in my senior year of university I led the CSE department Cricket and Volleyball team as captain and vice-captain respectively. I believe all these experiences have helped me to develop my organizational and interpersonal skills.

The department of Computer Science of Stony Brook University offers wonderful opportunities to researchers interested in Security and its various applications. I am particularly interested in working with **Prof. R. Sekar** in his **Secure Systems Lab** where intensive research is conducted on different security problems like intrusion detection, software vulnerability, attack isolation, untrusted code and managing distributed systems etc. Among them **intrusion detection, software and system security** and **source-code analysis** coincide well with my research interest. I believe, with the extensive and detailed course work, conglomeration of highly capable professors and avant-garde research facilities, Stony Brook University gives me the perfect platform to exercise and excel in my research endeavors as well as to equip me with knowledge and expertise to pursue a career in academia and research.

## Nafiul Rashid

## Curriculum Vitae

CONTACT INFORMATION	Lecturer Department of Computer Science and Engineering Islamic University of Technology (IUT) Board Bazar, Gazipur-1704 Bangladesh	Mobile: +880 1793 593579 Email: nafiul.rashid@gmail.com
RESEARCH INTEREST	Network Security, System Programming and Security, Cyber Security, Cloud Security, Wireless Networks and Communications, Data Mining	
EDUCATION	<b>Islamic University of Technology (IUT), Gazipur, Bangladesh</b>  B.Sc., Computer Science and Engineering (CSE), January 2010 to October 2013 <ul style="list-style-type: none"> <li>• CGPA: <b>4.00</b> (out of 4.00) (First Class with honors)</li> <li>• Rank in the class: <b>1st</b></li> <li>• Thesis: <b>RARRA: Receiver Assisted Robust Rate Adaptation</b></li> <li>• Thesis Supervisor: Dr. Muhammad Mahbub Alam</li> </ul> M.Sc., Computer Science and Engineering (CSE), January 2014 to November 2015 <ul style="list-style-type: none"> <li>• CGPA: <b>4.00</b> (out of 4.00) (First Class with honors)</li> <li>• Thesis: <b>Receiver Assisted Rate Adaptation in Wireless Networks</b></li> <li>• Thesis Supervisor: Dr. Muhammad Mahbub Alam</li> </ul>	
JOURNAL PUBLICATION	1. <b>Nafiul Rashid</b> , Syed Sabir Salman - Al - Musawi and Muhammad Mahbub Alam. Article: <b>RARRA: Receiver Assisted Robust Rate Adaptation in Wireless Networks</b> . IUT Journal of Engineering and Technology (JET), VOL. 12, NO. 1, Page: 21-31, ISSN 1684-4114, June 2015.  2. Md. Fakhrul Alam Onik, Khairul Anam, Syed Sabir Salman - Al - Musawi and <b>Nafiul Rashid</b> . Article: <b>A Secured Cloud based Health Care Data Management System</b> . International Journal of Computer Applications 49(12):24-30, July 2012.	
CONFERENCE PUBLICATION	1. <b>Nafiul Rashid</b> , Salimur Choudhury and Kai Salomaa. Article: <b>A Local Algorithm for Redundant Readers Elimination in RFID Networks</b> . Submitted and under review in IEEE International Conference on Communications (ICC), 23-27 May, Kuala Lumpur, Malaysia, 2016.  2. Md. Tahmid Hossain, Md. Tahmid Rahman Laskar, Abu Raihan Mostofa Kamal, <b>Nafiul Rashid</b> . Article: <b>Automated Disease Prediction System (ADPS): A User Query-Based Reliable Architecture for Healthcare-Data Mining</b> . Manuscript under preparation and will be submitted to a reputed conference soon.	
TEACHING EXPERIENCE	<b>Islamic University of Technology (IUT)</b> <b>Lecturer</b> Department of Computer Science and Engineering (CSE)	December 2013 to present

LIST OF COURSES CONDUCTED	<ul style="list-style-type: none"> <li>• MATH 4407 - Statistical and Mathematical Analysis</li> <li>• CSE 4505 - Communication Engineering</li> <li>• CSE 3171 - Fundamentals of Computers</li> <li>• CSE 4806 - Wireless Networks Lab</li> <li>• CSE 4832 - Simulation Modeling and Performance Evaluation Lab</li> <li>• CSE 4732 - Internet Engineering Lab</li> <li>• CSE 4702 - Artificial Intelligence and Expert Systems Lab</li> <li>• CSE 4610 - Software Development Lab</li> <li>• CSE 4606 - Computer Networks Lab</li> <li>• CSE 4508 - RDBMS Programming Lab</li> <li>• CSE 3172 - Fundamentals of Computers Lab</li> </ul>
PROGRAMMING SKILLS	C/C++, Java, MATLAB, SQL, PL/SQL, Assembly Language, Android, PHP, Perl, Unix Shell Scripting, NS-2, NS-3, SWI Prolog, Python
PROJECTS	<ul style="list-style-type: none"> <li>• Multiple Choice Question (MCQ) Management System(Language: Java-J2SE, Database: Oracle)</li> <li>• LAN Chatting Software(Language: Java-J2SE)</li> <li>• English to Bangla Phonetic Converter(Android Platform)</li> <li>• Employee Location Tracker(Android Platform)</li> <li>• Hospital Management System(Database:Oracle)</li> <li>• Digital Dairy(Language:C++)</li> <li>• System Analysis Design of Hall Management System</li> </ul>
HONORS AND AWARDS	<ul style="list-style-type: none"> <li>• <b>IUT GOLD MEDAL</b> for securing <b>1st position</b> in <b>CSE department, Islamic University of Technology</b> in 2013</li> <li>• <b>OIC Full Free Scholarship</b> for 3 years during my undergraduate study period, awarded by Islamic University of Technology</li> <li>• <b>4 years</b> scholarship awarded by <b>Bangladesh Govt.</b> for obtaining highest grade in Higher Secondary School Certificate examination</li> <li>• <b>2 years</b> scholarship awarded by <b>Bangladesh Govt.</b> for obtaining highest grade in Secondary School Certificate examination</li> </ul>
TRAINING AND WORKSHOP	<ul style="list-style-type: none"> <li>• Industrial Training on <b>Software Development and Domain Hosting</b>, at Xeon BD, Dhaka, Bangladesh, September 2012 - October 2012</li> <li>• Attended workshop on <b>Cloud Computing and Big Data - A Paradigm Shift in ICT</b> held in Bangladesh.</li> <li>• Attended workshop on <b>Security in ICT : Technology and Management</b> held in Bangladesh.</li> </ul>



EXTRA-  
CURRICULAR  
ACTIVITIES

- Played for **CSE Dept. Cricket Team** from 2010 to 2013 and as a **captain** in 2013
- Played for **CSE Dept. Volleyball Team** from 2012 to 2013 and as a **vice-captain** in 2013
- Participated in **National Scout Jamboree, 2000** as a **Team Leader** of my own school team.
- Participated in **Inter House Debate Competitions** from 2003 to 2008 while in Cadet College
- Appointed as a **House Cultural Prefect** in cadet college from 2008 to 2009
- Selected as a **Member Secretary of IUT Computer Society** in 2011
- Worked as an organizer in **3rd, 4th, 5th, 6th, 7th IUT National ICT Fest** in the years 2011, 2012, 2013, 2014 and 2015 respectively

STANDARDIZED  
TEST SCORES

- **IELTS:** 7.5 out of 9 (Listening: 8.5, Reading: 7, Writing: 6.5, Speaking: 7)
- **GRE General:** 312 out of 340 (Quantitative: 162, Verbal: 150, Analytical Writing: 3.0)

REFERENCES  
AVAILABLE TO  
CONTACT

Prof. Dr. M. A. Mottalib  
Professor and Head of the department  
Dept. of Computer Science and Engineering (CSE) +8801199845035  
Islamic University of Technology (IUT) mottalib@iut-dhaka.edu  
Board Bazar, Gazipur-1704, Bangladesh

Dr. Muhammad Mahbub Alam  
Professor +8801972256581  
Dept. of Computer Science and Engineering (CSE) mma@iut-dhaka.edu  
Islamic University of Technology (IUT)  
Board Bazar, Gazipur-1704, Bangladesh

Dr. Abu Raihan Mostofa Kamal  
Associate Professor +8801843925543  
Dept. of Computer Science and Engineering (CSE) raihan.kamal@iut-dhaka.edu  
Islamic University of Technology (IUT)  
Board Bazar, Gazipur-1704, Bangladesh



## TRANSCRIPT OF ACADEMIC RECORD

Name : NAFIUL RASHID Student Number : 094415  
Date of Birth : 10 December, 1991  
Degree Awarded : Bachelor of Science in Computer Science and Engineering  
Abbreviated as B.Sc. Engg. (CSE)  
Duration of the Programme : 4 Years  
Academic Years Attended : 2009-2010 to 2012-2013  
Date of Completion of the degree : 30 October, 2013  
Cumulative Grade Point Average (CGPA) : 4.00 out of maximum 4.00  
Number of Students in the graduating class : 47  
Rank of the student in the class : 1  
Transcript Number : 16759  
Date of Issue : 04 November, 2013  
This Transcript contains three pages including this page.  
Prepared by : [Signature] Registrar  
Checked by : [Signature] Islamic University of Technology, Dhaka



[Signature]

### \* Grading System

A+ : 80% and above - 4 points / credit A : 75% to below 80% - 3.75 points / credit  
A- : 70% to below 75% - 3.5 points / credit B+ : 65% to below 70% - 3.25 points / credit  
B : 60% to below 65% - 3.00 points / credit B- : 55% to below 60% - 2.75 points / credit  
C+ : 50% to below 55% - 2.5 points / credit C : 45% to below 50% - 2.25 points / credit  
D : 40% to below 45% - 2.00 points / credit F : below 40% (F means Fail)-0 point/credit  
Post Graduate Thesis Grading - S: Satisfactory, U: Unsatisfactory

Grade Point Average (GPA) =  $\frac{\text{Summation of (Number of Credits in a Course x Grade Point Earned in That Course)}}{\text{Total Number of Credits Earned}}$

Maximum Attainable GPA : 4.00  
GPA Required for First Class with Honours = 3.75  
GPA Required for First Class = 3.00  
Minimum GPA Required to Award the Degree = 2.00



### Details of Academic Record

Name : NAFIUL RASHID

Student Number : 094415

#### First Semester

Examination Held : May, 2010

Academic Year : 2009-2010

Course No.	Course Title	Credit	Grade
Chem 4105	Chemistry	3.00	A+
Chem 4106	Chemistry Lab.	0.75	A+
CSE 4129	Computer Basics and Programming Fundamentals	4.00	A+
CSE 4130	Computer Basics and Programming Fundamentals Lab	1.50	A+
ITS 0102	Spoken Arabic I	1.00	A+
ITS 0107	Islamiat	2.00	A+
ITS 4149	Technology, Environment & Society	3.00	A+
Math 4105	Geometry & Differential Calculus	4.00	A+
Phy 4105	Physics	3.00	A+
Phy 4106	Physics Lab.	0.75	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Third Semester

Examination Held : May, 2011

Academic Year : 2010-2011

Course No.	Course Title	Credit	Grade
CSE 4301	Object Oriented Programming	3.00	A+
CSE 4302	Object Oriented Programming Lab.	1.00	A-
CSE 4303	Data Structures	3.00	A+
CSE 4304	Data Structures Lab	0.75	A+
CSE 4307	Database Management Systems	3.00	A+
CSE 4308	Database Management Systems Lab.	1.00	A+
CSE 4329	Information Systems	3.00	A+
EEE 4311	Digital Electronics and Logic Design	4.00	A+
EEE 4312	Digital Electronics and Logic Design Lab	1.00	A+
Math 4305	Applied Statistics & Queuing Theory	3.00	A+

Grade Point Average (GPA) for this semester : 3.98

Cumulative Grade Point Average (CGPA) : 3.99

#### Second Semester

Examination Held : October, 2010

Academic Year : 2009-2010

Course No.	Course Title	Credit	Grade
CSE 4201	Computer Programming	3.00	A+
CSE 4202	Computer Programming Lab.	1.50	A+
CSE 4203	Discrete Mathematics	3.00	A+
EEE 4207	Electrical Technology for Computer	3.00	A+
EEE 4208	Electrical Technology for Computer Lab	0.75	A+
EEE 4221	Electronic Devices and Circuits	3.00	A+
EEE 4222	Electronic Devices and Circuits Lab	0.75	A+
ITS 0202	Spoken Arabic II	1.00	A+
ITS 0207	Islamic History, Science and Culture	3.00	A+
Math 4205	Integral Calculus and Differential Equations	3.00	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Fourth Semester

Examination Held : September-October, 2011

Academic Year : 2010-2011

Course No.	Course Title	Credit	Grade
CSE 4401	Visual Programming	2.00	A+
CSE 4402	Visual Programming Lab.	1.50	A+
CSE 4403	Algorithms	3.00	A+
CSE 4404	Algorithms Lab.	1.00	A+
CSE 4405	Data and Telecommunications	3.00	A+
CSE 4407	System Analysis and Design	3.00	A+
CSE 4408	System Analysis and Design Lab.	0.75	A+
CSE 4427	Computer Organisation and Architecture	3.00	A+
CSE 4430	Engineering Drawing Lab	0.75	A+
Math 4405	Numerical Methods, Matrix Algebra & Fourier Series	4.00	A+
Math 4406	Numerical Methods, Matrix Algebra & Fourier Series Lab.	0.75	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 3.99



*N. Rashid*

Registrar  
Islamic University of Technology, Dhaka

Checked by :

*N. Rashid*

BOARD BAZAR, GAZIPUR-1704, BANGLADESH

Tel: +880-2- 9291252, PABX: +880-2-9291254-58; Fax: +880-2-9291260; E-mail : registrar@iut-dhaka.edu; website : www.iutoic-dhaka.edu





### Details of Academic Record

Name : NAFIUL RASHID

Student Number : 094415

#### Fifth Semester

Examination Held : April-May, 2012

Academic Year : 2011-2012

Course No.	Course Title	Credit	Grade
CSE 4501	Operating Systems	3.00	A+
CSE 4502	Operating Systems Lab	0.75	A+
CSE 4505	Communication Engineering	3.00	A+
CSE 4507	RDBMS Programming	2.00	A+
CSE 4508	RDBMS Programming lab	1.50	A+
CSE 4510	Software Development	0.75	A+
CSE 4527	Microprocessors and Assembly Language	3.00	A+
CSE 4528	Microprocessors and Assembly Language Lab	0.75	A+
CSE 4533	Graph Theory	3.00	A+
CSE 4541	Machine Learning	3.00	A+
CSE 4542	Machine Learning Lab	0.75	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Seventh Semester

Examination Held : April-May, 2013

Academic Year : 2012-2013

Course No.	Course Title	Credit	Grade
CSE 4700	Project/Thesis	3.00	A+
CSE 4701	Artificial Intelligence and Expert Systems	3.00	A+
CSE 4702	Artificial Intelligence and Expert Systems Lab	0.75	A+
CSE 4703	Theory of Computing	3.00	A+
CSE 4731	Internet Engineering	3.00	A+
CSE 4732	Internet Engineering Lab	0.75	A+
CSE 4745	Systems Programming and Security	3.00	A+
CSE 4790	Industrial Training	1.00	A+
Hum 4705	Accounting	3.00	A+
Math 4707	Probability and Stochastic Processes	3.00	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Sixth Semester

Examination Held : September, 2012

Academic Year : 2011-2012

Course No.	Course Title	Credit	Grade
CSE 4601	Software Engineering and Object Oriented Design	3.00	A+
CSE 4603	Unix Programming	3.00	A+
CSE 4604	Unix Programming Lab	0.75	A+
CSE 4605	Computer Networks	3.00	A+
CSE 4606	Computer Networks Lab	1.00	A+
CSE 4607	Computer Graphics and Multimedia Systems	3.00	A+
CSE 4608	Computer Graphics and Multimedia Systems Lab	0.75	A+
CSE 4614	Technical Report Writing	0.75	A+
CSE 4631	Digital Signal Processing	3.00	A+
CSE 4632	Digital Signal Processing Lab	0.75	A+
CSE 4643	Mobile Computing and Applications	3.00	A+
CSE 4644	Mobile Computing and Applications Lab	0.75	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Eighth Semester

Examination Held : September, 2013

Academic Year : 2012-2013

Course No.	Course Title	Credit	Grade
CSE 4800	Project/Thesis	3.00	A+
CSE 4801	Compiler Design	3.00	A+
CSE 4802	Compiler Design Lab	0.75	A+
CSE 4803	Parallel and Distributed Processing	3.00	A+
CSE 4805	Wireless Networks	3.00	A+
CSE 4806	Wireless Networks Lab	0.75	A+
CSE 4807	IT Organization and Management	3.00	A+
CSE 4831	Simulation, Modeling and Performance Evaluation	3.00	A+
CSE 4832	Simulation, Modeling and Performance Evaluation Lab	0.75	A+
Hum 4831	Business Communication and Law	3.00	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00



*Nafiul Rashid*

Registrar

Islamic University of Technology, Dhaka

Checked by :

*Nafiul Rashid*

BOARD BAZAR, GAZIPUR-1704, BANGLADESH

Tel: +880-2- 9291252, PABX: +880-2-9291254-58; Fax: +880-2-9291260; E-mail : registrar@iut-dhaka.edu; website : www.iutoic-dhaka.edu



## TRANSCRIPT OF ACADEMIC RECORD

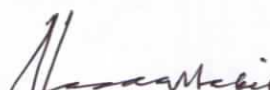
Name : **Nafiul Rashid** Student Number : **134604**  
Date of Birth : 10 December, 1991  
Degree Awarded : **Master of Science in Computer Science and Engineering**  
Abbreviated as **M.Sc. Engg. (CSE)**  
Duration of the Programme : 2 Years  
Academic Years Attended : 2013-2014 to 2014-2015  
Date of Completion of the degree : 23 November, 2015  
Cumulative Grade Point Average (CGPA) : **4.00** out of maximum **4.00**  
Transcript Number : **17277**  
Date of Issue : 03 December, 2015

This Transcript contains two pages including this page.

Prepared by : 

Checked by : 





Registrar

Islamic University of Technology, Dhaka

### \* Grading System

A+ : 80% and above - 4 points / credit A : 75% to below 80% - 3.75 points / credit  
A- : 70% to below 75% - 3.5 points / credit B+ : 65% to below 70% - 3.25 points / credit  
B : 60% to below 65% - 3.00 points / credit B- : 55% to below 60% - 2.75 points / credit  
C+ : 50% to below 55% - 2.5 points / credit C : 45% to below 50% - 2.25 points / credit  
D : 40% to below 45% - 2.00 points / credit F : below 40% (F means Fail)-0 point/credit  
Post Graduate Thesis Grading - S: Satisfactory, U: Unsatisfactory

Grade Point Average (GPA) = 
$$\frac{\text{Summation of (Number of Credits in a Course x Grade Point Earned in That Course)}}{\text{Total Number of Credits Earned}}$$

Maximum Attainable GPA : 4.00

GPA Required for First Class with Honours = 3.75

GPA Required for First Class = 3.00

Minimum GPA Required to Award the Degree = 2.00





### Details of Academic Record

Name : Nafiul Rashid

Student Number : 134604

#### First Semester

Examination Held : April-May, 2014

Academic Year : 2013-2014

Course No.	Course Title	Credit	Grade
CSE 6141	Bioinformatics Algorithms	3.00	A+
CSE 6257	Advanced Pattern Recognition	3.00	A+
CSE 6261	Advanced Probability and Stochastic Processes	3.00	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Third Semester

Examination Held : May, 2015

Academic Year : 2014-2015

Course No.	Course Title	Credit	Grade
CSE 6200	Thesis	6.00	S
CSE 6263	Advanced Optimization Techniques	3.00	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Second Semester

Examination Held : October, 2014

Academic Year : 2013-2014

Course No.	Course Title	Credit	Grade
CSE 6200	Thesis	3.00	S
CSE 6249	Data Warehousing and Mining	3.00	A+
CSE 6267	Network Systems Analysis	3.00	A+

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

#### Fourth Semester

Examination Held : October, 2015

Academic Year : 2014-2015

Course No.	Course Title	Credit	Grade
CSE 6200	Thesis	9.00	S

Grade Point Average (GPA) for this semester : 4.00

Cumulative Grade Point Average (CGPA) : 4.00

Checked by :



Registrar  
Islamic University of Technology, Dhaka



# 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

BD001

Date

06/JUN/2015

Candidate Number

002816

## Candidate Details

Family Name

RASHID

First Name

NAFIUL

Candidate ID

AG6169730



Date of Birth

10/12/1991

Sex (M/F)

M

Scheme Code

Private Candidate

Country or Region  
of Origin

Country of  
Nationality

BANGLADESH

First Language

BENGALI

## Test Results

Listening

8.5

Reading

7.0

Writing

6.5

Speaking

7.0

Overall  
Band  
Score

7.5

CEFR  
Level

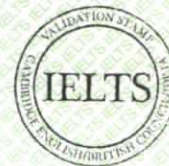
C1

Administrator Comments

Centre stamp



Validation stamp



Administrator's  
Signature

*Nafiul Rashid*

Date

18/06/2015

Test Report Form  
Number

15BD002816RASN001A