

Fariah Mahzabeen

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Education

- **B.Sc** Major: Electronic & Telecommunication Engineering
Graduation: April 2009
North South University
CGPA: 3.97 out of a scale of 4

- **A – level** Subjects: Physics, Chemistry, Mathematics, Biology
Session: June 2004
Examination Board: Edexcel International, U.K.
School: Maple Leaf International
Result: A grade in all 4 subjects

- **O- level** Subjects: English Language, Bengali, Physics, Chemistry, Mathematics, Biology,
Pure Math, Bengali, Commerce, Accounting, Economics, Art & Design
Session: June 2001 & Jan 2002
Examination Board: Edexcel International, U.K
School: Maple Leaf International
Result: A grade in all 11 subjects

- **2004 Testing** SAT (1420/1600), Achievement Test (2350/2400), TOEFL (283/300)

Achievements

- *Summa Cum Laude Award for the highest CGPA (3.97) from Electrical Engineering and Computer Science Department, North South University.*
 - *Daily Star Award for the Highest number of A grades in one sitting in O-Level*
 - *Daily Star Award for the Highest mark in Mathematics in O-Level*
 - *Daily Star Award for the Highest number of A grades in one sitting in A-Level*
 - *Gold Medal Awarded from Maple Leaf International School*
 - *Best Speaker Award in School Debate Competition*
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Research Experience

Ongoing research:

- Soliton Propagation in Optical Fiber
- Designing Microwave waveguide for efficient entrapment of solar energy
- QPSK Modulation & Demodulation for Orthogonal frequencies

Undergraduate Projects:

- Nonlinear pulse propagation in optical fiber
- Next generation Networks
- VoIP Technology in promoting Tourism in Bangladesh

Undergraduate Thesis:

“Load balancing in Cellular networks using Genetic Algorithm”

Publication:

“Load balancing in Cellular networks using Genetic Algorithm”

Journal: Bangladesh Electronics Society, Volume-9, Number-12, June-December 2009.

Research Interests

Studying & Enhancing latest Optical Communication Technologies like *Photonic Band Gap Fiber*, *Soliton Propagation* and integrating these to build energy efficient reliable information networks

Employment History

September 2009 to date	Junior Lecturer Brac University, <i>Dept: Electrical & Electronic Engineering</i>
January 2009 – April 2009	Teaching Assistant North South University <i>Courses: Fiber Optics Communication Systems-I & Linear Algebra)</i>
March 2009 – May2009	Intern Grameen Phone, <i>Dept. Network Quality & Management, Technology Division</i>
July 2004 – December 2008	O & A-Level Teacher Apex Educare, <i>Physics & Chemistry</i>

Skills and Interests

Computer Applications:

Design: MATLAB, PSPICE

Programming Language: C Language

General: Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft office Access

Language Proficiency:

Fluent in reading, writing and speaking in both Bengali and English

Extracurricular Activities:

- Competed a Diploma Course in Photography
- Affiliated with the JAAGO Foundation (a drive to educate the street children of Bangladesh)
- Completed a certificate course on TV News Presentation
- Formerly involved with Debate Club, Photography Club & Wireless forum at North South University

Hobbies:

Painting, Reading, Recitation, Photography, Creative Writing, Travelling

Personal Details

<i>Date of Birth:</i>	26 th January, 1985
<i>Nationality:</i>	Bangladeshi
<i>Father's Name:</i>	S.M.A. Rashid
<i>Mother's Name:</i>	Nasira Khanam
<i>Religion:</i>	Islam (Sunni)