

Curriculum vitae of Shamim Al Mamun

CONTACT INFORMATION

Lecturer
Institute of Information Technology
Jahangirnagar University
Savar, Dhaka-1342, Bangladesh

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RESEARCH INTERESTS

Information and Communication: Wireless Optical Communication, Mobile Ad-hoc networks, MIMO based telecommunication.

ACADEMIC APPOINTMENTS

Lecturer
Institute of Information Technology
Jahangirnagar University

October 2009 to present

EDUCATION

M.Sc.Engg., IICT, Bangladesh University of Engineering and Technology, March 2012

- Thesis Topic: *FWM effect on WDM Transmission System*
- Adviser: Professor Md. Saiful Islam
- Area of Study: Optical Communication

B.Sc., CSE, Jahangirnagar University, June 2004

- With Honors in Engineering
- Computer Science and Engineering
- Thesis Topic: *OFDM Transmission System*
- Area of Study: Telecommunication

REFEREED JOURNAL PUBLICATIONS

- [1] Mamun S.A., Effect of unequal channel spacing on Four-wave mixing in optical WDM transmission system. *Mawalana Bhashani Journal of Science and Technology*, October-2011, Bangladesh.
- [2] Arefin A. S., Rahman M. R., Kabir M. M., Alam A. M. Z., Mamun S.A., and Rahman M. L., An Efficient Approach for Handling Large Arrays in Parallel Computing Environment Using Bitonic Sorting. *Asian Journal of Information Technology (AJIT)*, Vol-4, Number-11, November-2005, Pp:1027-1030.
- [3] Rahman M. R., Mamun S.A., Kabir M. M., and Islam M. I., Impact of Partial Response Coding for reduction of Inter Channel Interference in OFDM system. *Asian Journal of Information Technology (AJIT)*, Vol-4, Number-12, December-2005, Pp:1137-1140.
- [4] Talukder A., Mamun S.A., and Alam A. M. Z., Advancement of Base Case to the Recursion: A Way to Improve the Running Time of the Traditional Merge Sort Algorithm. *Daffodil International University journal of Science and Technology*, Volume -2, issue-2, July 2007, Pp: 46-51.
- [5] Mamun S.A., A Comprehensive Model for Studying the Suppression of Four Wave Mixing in WDM Optical Transmission System. *Academic Journal of optical communication*, 2012. Submitted

SUBMITTED JOURNAL PUBLICATIONS

CONFERENCE PUBLICATIONS	<p>[6] Mamun S.A.,Effect of chromatic dispersion on Four-wave mixing in optical WDM transmission system. <i>Proceedings of 6th International Conference on Industrial and Information Systems (ICIIS 2011)</i>, August-2011, Kandy, Sri-lanka.(http://ieeexplore.ieee.org/)</p> <p>[7] Arefin A. S.,Rahman M. R., Kabir M. M., Mamun S.A., and Rahman M. L.,An Efficient Approach for Sorting of Large Arrays in Distributed Computing Environment. <i>International Conference on Computer and Information Technology</i>, December-2005, Dhaka, Bangladesh, Pp: 445-448.</p> <p>[8] Rahman M. R., Mamun S.A., Kabir M. M., and Islam M. I.,Impact of Partial Response Coding for reduction of Inter Channel Interference in OFDM system. <i>International Conference on Computer and Information Technology</i>, December-2005, Dhaka, Bangladesh, Pp: 1070-1073.</p>
BOOKS IN PREPARATION	[9] Mamun S.A.,A Comprehensive Model for Studying the Suppression of Four Wave Mixing in WDM Optical Transmission System.
PAPERS IN PREPARATION	<p>[10] Mamun S.A.,BER effect on FWM in WDM transmission System.</p> <p>[11] Mamun S.A.,A review on indoor wireless optical system for high speed campus LAN.</p>
GRANTS	<p>Associate Member, “Enhancing the Campus LAN using Optical Fiber”, World Bank Financed Higher Education Quality Enhancement Project, CP-376 , \$January 2011 to December 31, 2012.</p> <p>Project Supervisor, “Internet radio Implementation on JU campus”, Financed by Jahangirnagar University Faculty of Physical and mathematical Sciences. 2011.</p>
STUDENT ADVISING	<p>Currently i am supervising 7 undergraduate projects on Software Engineering in JAVA and C sharp programming language.</p> <ol style="list-style-type: none"> 1. School Management System with Bluetooth attendance and SMS service for School Information. 2. SMS based Library Management System. 3. Mobile Apps for Jahangirnagar University. 4. University Student Dormitory Management System. 5. Mail Server Setup on Devian OS for Institute.
TEACHING EXPERIENCE	<p>Daffodil International University, Dhaka, Bangladesh.</p> <p style="text-align: center;">Lecturer and Head January 2005 to September 2009</p> <ul style="list-style-type: none"> • Responsibilities <ul style="list-style-type: none"> • Developing and teaching the course materials, project and thesis supervision of students. • working for department’s benefits including dealing with purchase, department management with Chief Academic Advisor, and taking responsibility of laboratory, and also working as a member of exam committee to conduct the exam of the Faculty of Science and Information Technology.
PROFESSIONAL MEMBERSHIPS	<p>Institute for Electrical and Electronics Engineers (IEEE), Student Member, 2012–present</p> <ul style="list-style-type: none"> • Bangladesh Computer Society, Member, • Bangladesh Physical Society, Life Member,

ICT
PROFESSIONAL
TRAINING AND
CERTIFICATIONS

- CCNA Instructor Training.
- CISCO Certified Network Associates (CCNA).
- RedHat Certified Engineer (RHCE).
- Oracle Database Professionals (DBA).

AWARDS

- Merit scholarship based on admission test result in Jahangirnagar University.
- Technical scholarship during the four years study period at Jahangirnagar University.
- Board scholarship based on HSC result.

LEADERSHIP
EXPERIENCES

- Joint Secretary (2001-2002) of SOECS (Society of Electronics and Computer Science) of Jahangirnagar University: An Information Technology based organization.
- Organized an IT exhibition and Software fair on Computer and Information Technology at Jahangirnagar University in 2001 as a Co-convenor.
- Advisor of Student Affairs and sports in Institute of Information Technology, Jahangirnagar University.

REFERENCES
AVAILABLE TO
CONTACT

Dr. Saiful Islam (e-mail: mdsaifulislam@iict.buet.ac.bd; phone: +880 1191616339)

- Professor, Institute of Information and Communication Technology, Bangladesh University of Engineering and Technology
- ★ *Dr. Islam was my graduate adviser.*

Dr. Subrata Kumar Aditya (e-mail: aditya@univdhaka.edu; phone: +880 1819449015)

- Professor, Dept. of Applied Physics, Electronics and Communication Engineering
University of Dhaka

Dr. Muhammad Hanif Ali (e-mail: hanif.cse@juniv.edu; phone: +880 1712596955)

- Professor and Director, Dept. of Computer Science and Engineering and Institute of Information Technology
Jahangirnagar University

MORE
INFORMATION

More information and auxiliary documents can be found at
<http://www.shamim.info>