

Mahmud Hasan

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Career Objective

Obtain expertise in image and video signal processing theories and applications, and perform research in related fields.

Academic Background

Year	Degree/Certificate	Authority/Organization	Grade
2011	BSc. Engg.	Computer Sciece & Engg., CUET, Bangladesh	3.75/4.00
2006	H.S.C	Dhaka Education Board, Bangladesh	5.00/5.00
2004	S.S.C	Dhaka Education Board, Bangladesh	4.13/5.00

Area of Research Interests

- Digital Steganography
- JPEG Image Encoding Technique
- Image and Data Compression

Research Publications

- [1] **Mahmud Hasan**, K.M. Nur and A.H.M.A Habib, "An Improved JPEG Image Compression Technique Based on Selective Quantization," Under Review, International Journal of Computer Applications (ISSN 0975-8887).
- [2] **Mahmud Hasan** and K.M. Nur, "A Novel 3-Layer User Authentication System for Remote Accessibility," Under Review, ICCIT-2012, Bangladesh.
- [3] K.M. Nur, **Mahmud Hasan** and H. Sarwar, "Software Visualization Aspects, Means, Techniques, Tools and Frameworks for Software Comprehension," Under Review, ICCIT-2012, Bangladesh.
- [4] K.M. Nur, **Mahmud Hasan** and P.C. Saha, "An Automated Urban Traffic Control System for Heavy Traffic Congestion," Under Review, ICECE-2012, Bangladesh.
- [5] **Mahmud Hasan**, K.M. Nur and T.B. Noor, "Computational Complexity Reduction of JPEG Images," International Journal of Scientific & Technology Research (ISSN 2277-8616), Vol. 1, Issue-4, May 2012.
- [6] **Mahmud Hasan** and K.M. Nur, "An Improved Approach for Spatial Domain Lossless Image Data Compression Method by Reducing Overhead Bits," International Journal of Scientific & Engineering Research (ISSN 2229-5518), Vol. 3, Issue-4, April 2012.

- [7] **Mahmud Hasan**, K.M. Nur, T.B. Noor and M. Roy, "A Novel Compressed Domain Technique of Reversible Steganography," International Journal of Advanced Research in Computer Science & Software Engineering (ISSN 2277-128X), Vol. 2, Issue 3, March 2012.
- [8] **Mahmud Hasan**, K.M. Nur, T.B. Noor and H.B. Shakur, "Spatial Domain Lossless Image Compression Technique by Reducing Overhead Bits and Run Length Coding," International Journal of Computer Science & Information Technologies (ISSN 0975 - 4660), Vol. 3, Issue 2, March-April 2012.
- [9] **Mahmud Hasan** and K.M. Nur, "A Lossless Image Compression Technique using Location Based Approach," International Journal of Scientific & Technology Research (ISSN 2277-8616), Volume-1, Issue-2, March-2012.
- [10] **Mahmud Hasan** and K.M. Nur, "A Novel Spatial Domain Lossless Image Compression Scheme," International Journal of Computer Applications (ISSN 0975-8887), Vol. 39, No. 15, February 2012.

Technical Skills

Platform	Windows, Linux
Programming Language	C/C++, JAVA, PHP
Query Language	SQL
Low Level Language	Intel x86 Assembly Language
Scripting Language	HTML, Javascript, Unix Shell, LaTeX
Scientific Tools	Matlab, Octave
Database	Oracle 10g
Networking	Wireless and Wired Network Administration in Linux and Windows Platform

Experience

08/2012 - present	Visiting Lecturer Department of Computer Science & Engineering Stamford University Bangladesh
06/2012 - present	Reviewer & Editorial Board Member International Journal of Scientific and Engineering Research
05/2012 - present	Reviewer & Editorial Board Member International Journal of Scientific and Technology Research
04/2012 - present	Lecturer Department of Allied Engineering Bangladesh University of Textiles
09/2011 - 04/2012	Lecturer Department of Computer Science & Engineering Stamford University Bangladesh
08/2011	Software Engineer Samsung Bangladesh R&D Center Limited

Awards and Honors

Year	Award/Honor
2011	Ranked first in order of merit, BSc Engineering, CUET, Bangladesh
2010	Merit Award from CUET Ex-Students Association on 9th May, 2010
2008	First Prize Winner, Association for Computer Programmers (ACP) 1st Anniversary Programming Contest on 19th January, 2008
2004	Merit Award from Genuine English Laboratory & Research Institute, Dhaka, Bangladesh

References

Kamruddin Md. Nur Assistant Professor Department of Computer Science & Engineering Stamford University Bangladesh kamruddin.nur@gmail.com	Dr. Shahriar Akramullah Graphics Software Engineer Intel Corporation Folsom, CA, USA s_akramullah@hotmail.com
ANM Bazlur Rashid Chairman Department of Allied Engineering Bangladesh University of Textiles anm.bazlur.rashid@gmail.com	AHM Ashfak Habib Assistant Professor Department of Computer Science & Engineering CUET , Bangladesh ashfak77@yahoo.com