Resume
of
Haridas Kumar Das (H. K. Das)

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Educational Qualifications

Master of Science, 2013-2014

Position: Continuing
Mathematics (Thesis Group), Graduate Research Students
Department of Mathematics and Statistics
Concordia University, Canada

Master of Science, 2010 (Held in 2012)

Result**:** A grade
CGPA: 3.96 on a scale of 4.00
Position: Second (According to the GPA, Highest 3.97)
Mathematics (Thesis Group)
Department of Mathematics
University of Dhaka
Year of Passing**:** 2012

Bachelor of Science, 2009,(Held in 2010)

Result**:** A grade
CGPA: 3.76 on a scale of 4.00
Position: Second(According to the CGPA, Highest 3.81)
Department of Mathematics,
University of Dhaka
Year of Passing**:** 2010

Communication Skill

Written**:** English and Bengali, Fluent.
Oral   **:** Bengali and English, Fluent.
TOEFL: 94 (IBT) Out of 120.

Working Experience

1. Teaching Assistant, Department of Mathematics and Statistics, **Concordia University** Canada**,** from 03rd September 2013 to continue.

2. Research Assistant, Department of Mathematics and Statistics, **Concordia University** Canada**,** from 03rd September 2013 to continue

3.   Lecturer, Mathematics, Institute of Natural Sciences, **United International University**, Dhaka, Bangladesh from 30 May 2013 to continue (Study Leave).

4.   Lecturer (Part Time), Mathematics, Institute of Natural Sciences, **United International University**, Dhaka, Bangladesh. From 29 September, 2012 to 30 May 2013.

5. Ex-Secretary & President of "Mathematics' Students Association" Jagannath Hall, University of Dhaka.

Academic Research Experience

1. **Honors Project Title : "Computer Techniques for Solving Game Problems in Different Methods", 2010** under the supervision of Dr. Md. Babul Hasan[2].

2. **MSc. Thesis Title : "A Package for Solving NLP & LFP by Developing and Improving Algorithms & Its Computer Techniques", 2012,** under the supervision of Dr. Md. Babul Hasan[2] .

Conference Papers

1. A. Islam[1], M.B. Hasan and **H. K. Das** "Decomposition Based Pricing Method and its Computer Technique with Application in Management Science" **International Bose Conference**, 2013, Dhaka, Bangladesh,

2. **H. K. Das**[1] , T. Saha[2] and M Babul Hasan[3], "**A Modified Algorithm Of Two Person Zero-Sum Game Through Computer Algebra**" , 17th Mathematics Conference of Bangladesh Mathematical Society, 22-24 December, 2011, Dhaka, Bangladesh.

3. **H. K. Das**[1] and M Babul Hasan[2], "**A New Technique For Solving Linear Fractional Bounded Variable Problems**", 17th Mathematics Conference of Bangladesh Mathematical Society, 22-24 December, 2011, Dhaka, Bangladesh.

Participated Conferences

1. The **International Bose Conference**, Bose Centre for Advanced Study and Research in Natural Science, 4th February, 2013, University of Dhaka, Bangladesh.

1. The **17th International Mathematics Conference** of Bangladesh Mathematical Society, 22-24 December, 2011, Dhaka, Bangladesh.

 2. The **16th International Mathematics Conference** of Bangladesh Mathematical Society, 17-19 December, 2009, Dhaka, Bangladesh.

Participated Seminars

1. Participated in the **Seminars** on **"Mathematics and Its Application in Real Life"** to be held on **28 February, 2013** in the Department of Mathematics, Khulna University, Khulna, Bangladesh. and **26 November, 2012** in the Department of Mathematics, Jagannath University, Dhaka, Bangladesh.

2. Participated in the **"Several Workshops and Seminars"** that was held on **2010-2013** University of Dhaka, Dhaka, Bangladesh, during several times.

3. Participated in the **"Several Workshops and Seminars"** that was held on **2013-2014** Concordia University, Montreal Canada.

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SOME SELECTED RESEARCH PAPERS

Published in 2011

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1. **H. K. Das** & M. Babul Hasan,2011, "An Algorithm and Its Computer Technique for Solving Game Problems Using LP method", Int.Journal of Basic & Applied Sciences", **11(3),117-127**, http://www.ijens.org/IJBAS%20Vol%2011%20Issue%2003.html.

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Published in 2012

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1. **H. K. Das** , T. Saha & M.Babul Hasan, 2012," Numerical Experiments By Improving a Numerical Methods For Solving Game Problems Through Computer Algebra", International Journal of Decision Sciences, **3(1), 23-52**, http://www.serialsjournals.com/articles.php?volumesno_id=423&journals_id=71&volumes_id=66.

2. **H. K. Das** & M. Babul Hasan, 2012," A Proposed Technique for Solving Linear Fractional Bounded Variable Problems", The Dhaka University Journal of Science, **60(2), 223-230,** DOI: http://dx.doi.org/10.3329/dujs.v60i2.11522.

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Published in 2013

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1. **H. K. Das** & M. Babul Hasan, 2013, "A Generalized Technique for Solving Unconstrained Non-Linear Programming Problems**,** Dhaka University Journal of Science,**61(1),75-80,** http://dx.doi.org/10.3329/dujs.v61i1.15100.

2. **H. K. Das**, M. Babul Hasan, Arshaful Islam, 2013, "Solving Bounded Variable LFP Problems by Converting it into a Single LP", International Journal of Data Analysis & Information System, **5(2), 89-103,** Accepted November 2012, In press.

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Submitted & Revised

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1. **H. K. Das** & M. Babul Hasan, "A Uniform Technique for Solving Non-Linear Programming Problems" Journal of Applied Mathematics Statistics and Informatics, Revised November, 2012.

2. **H. K. Das** & M. Babul Hasan," A New Decomposition Technique for solving NLP Problems", International Journal of Operation Research, 2nd Revised August, 2013.

3. **H. K. Das** & M. Babul Hasan, "An Improved Decomposition Approach and Its Computer Technique for Solving Primal Dual LP & LFP Problems", GANIT Journal of Bangladesh Mathematical Society, Bangladesh, Submitted January, 2013.

4. **H. K. Das**, T. Saha & M. Babul Hasan, "A Study on 1-D Simplex Search and its Numerical Experiments through Computer Algebra, Dhaka University Journal of Science, Submitted April, 2013.

5. Arshaful Islam, M. Babul Hasan, **H. K. Das** "Decomposition-Based Pricing Technique for Solving Large-Scale Mixed IP", GANIT Journal of Bangladesh Mathematical Society, Submitted February, 2013.

6. **H. K. Das**, T. Saha & M. Babul Hasan, "A New Algorithm for solving Multidimensional NLP problems", Computer & Operation Research, To be submit, 2013.

Membership
1. Life Member**, Bangladesh Mathematics Society**.   2. Life Member, **Mathematics Association of Jagannath Hall**, University of Dhaka.

Computer skill
MS Office, Fortran, Mathematica, C., Latex.

Achievements
1. "**Concordia Merit Scholarship 2013-2014"** considered as Graduate Research Student, Concordia University, Montreal, Canada.   **2. "Faculty of Arts and Science Graduate Fellowship 2013-2014"** considered as Graduate Research Student, Concordia University, Montreal, Canada.   **3. "Partial Tuition Scholarship for International Students 2013-2014"** considered as Graduate Research Student, Concordia University, Montreal, Canada.   4.**"Certificates and Crests -2011"** considered as the first class 2nd position in B.S. honors in Mathematics, Dhaka University in the Different organizations of Dhaka University.   5.**"Certificates and Crests -2013"** considered as the first class 2nd position in M. S. honors in Mathematics, from the Different organizations of Dhaka University.

References
Dr. Ali, S. Twareque   Professor   Department of Mathematics and Statistics   Concordia University, Montreal, QC, Canada   **Tel:** 514-848-2424, Ext. 3237,   **Fax:** 514-848-2831   **Email:** twareque.ali@concordia.ca   **Dr. Babul Hasan[2]**   Associate Professor, PhD (Newzeland)   Department of Mathematics, University of Dhaka   Contact Number: 01720809792   Email: mbabulhasan@yahoo.com

I, undersigned declare that all the information given above is true. I am always ready to submit the necessary evidence or papers as required certifying those.

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Haridas Kumar Das   Date