

CURRICULUM VITAE

OF

DR. KANAK RAY CHOWDHURY

Flat # 106, Building # 10, Japan Garden City, 24/A Tajmahal Road (Ring Road),

Mohammadpur, Dhaka-1207, *Mobile No:* (+088)01711-901455

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CAREER OBJECTIVE

To achieve a constructive role in Teaching Profession at home and abroad utilizing my knowledge, hard work, perception and innovation.

ADMINISTRATIVE EXPERIENCE

I have been working as **ACADEMIC CO-ORDINATOR/ SHIFT IN CHARGE (Day Shift)** in Mohammadpur Model School and College, Dhaka since 1 July 2015.

TEACHING EXPERIENCE

- Lecturer in Mathematics**, Mohammadpur Model School and College, Mohammadpur, Dhaka
Duration: 13 October 2004- till now
- Lecturer in Mathematics**, Tejgaon College, Dhaka
Duration: 12 July 2001- 12 October 2004
Program : HSC, B.Sc(Pass), B.Sc(Hons) level.
- Lecturer in Mathematics**, Siddheswari College, Dhaka
Duration: 1 July 2000-11 July 2001
Program : B.Sc(Hons) level.
- Lecturer in Mathematics** (BBA & Computer Science Program), Institute of Business & Technology (Present : Northern College, Asad Gate, Mohammadpur, Dhaka.(Guest Lecturer)
Duration : 1 January 2002- 31 December 2003

RESEARCH EXPERIENCE

- Ph D Research , Department of Mathematics, Jahangirnagar University, Savar, Dhaka.
Session : 2010-2011
Degree Awarded: 3 December 2015
Thesis Title: Studies on Matrices over Semirings.
- M. Sc. Thesis, Department of Mathematics, Jagannath College, Dhaka
Under National University of Bangladesh
Thesis Title : Studies on Generalized Inverses of Matrices by Using MATLAB.

RESEARCH INTEREST

My research interests are in matrix theory, generalized inverses of matrices, linear algebra, abstract algebra, semiring and matrices over semirings.

PUBLISHED RESEARCH PAPERS IN INTERNATIONAL JOURNAL

1. Kanak Ray Chowdhury, Abeda Sultana, Nirmal Kanti Mitra, A F M Khodadad Khan,
Some Structural Properties of Semirings, Annals of Pure and Applied Mathematics,
5(2) (2014) 158-167, INDIA

2. K. R. Chowdhury, A. Sultana, N.K. Mitra and A.F.M. Khodadad Khan, **On Matrices Over Semirings**, *Annals of Pure and Applied Mathematics*, 6(1) (2014) 1-10, INDIA
3. K. R. Chowdhury, A. Sultana, N.K. Mitra and A.F.M. Khodadad Khan, **Relation between lattice and Semiring**, *Journal of Mechanics of continua and Mathematical Science*, Vol. 9(1), July(2014), Pages 1339-1353, INDIA
4. K. R. Chowdhury, A. Sultana, N.K. Mitra and A.F.M. Khodadad Khan, **On Invertibility of Matrices Over Semirings**, *Annals of Pure and Applied Mathematics*, Vol 9(2), (2015) 205-213, INDIA

SUBMITTED PAPER FOR PUBLICATION

1. K. R. Chowdhury, A. Sultana, N.K. Mitra and A.F.M. Khodadad Khan, **On Matrices Over Path algebra**, *Applications and Applied Mathematics (AAM)*, ISSN-1932-9466, AMERICA
2. K. R. Chowdhury, A. Sultana, N.K. Mitra and A.F.M. Khodadad Khan, **On Moore-Penrose Inverse of Matrices over Semirings**, Bangladesh Mathematics Society.

PAPER PRESENTATION IN INTERNATIONAL CONFERENCE

1. 13th International Mathematics Conference, 2001, Chittagong University.
Presented Paper: **Solution of System of Linear Equations by using g-inverses**
2. 17th International Mathematics Conference, 22-24 December 2011, Jahangirnagar University.
Presented Paper: **On Matrices over Semirings**
3. 18th International Mathematics Conference, 20-22 March 2014, Independent University, Bangladesh.
Presented Paper: **On Matrices over Path Algebra**

PAPER PRESENTATION IN SEMINAR

1. **On Some Structural Properties of Semirings and Regularity of Matrix Semirings**
Department of Mathematics, Jahangirnagar University, Date: 3 September 2014
2. **On Moore-Penrose Inverse of Matrices over Semirings**
Department of Mathematics, Jahangirnagar University, Date: 3 January 2015
3. **On Invertibility of Matrices over Semirings and an Application of Matrix Semiring**
Department of Mathematics, Jahangirnagar University, Date: 7 March 2015

EDITORIAL EXPERIENCE

I am an editorial board member of the **Journal of Control Science and Engineering**.
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Tel: 1-323-984-7526; Fax: 1-323-984-7374,
[http:// www.davidpublishing.com](http://www.davidpublishing.com), order@davidpublishing.com

EDUCATION

- PhD (Doctor of Philosophy)**
Degree Awarded: 3 December 2015
Thesis Submission : 16 May 2015
Obtained Marks in course work : 70.5%
Medium of Instructions: **English**
Department of Mathematics, Jahangirnagar University, Savar, Dhaka.

- M.Sc. (Maths)(Final) (Thesis Group)**
 Passing Year 1996, **First Class (First Position)**
Obtained Marks : 74.5%
 Medium of Instructions: **English**
 Jagannath College, Dhaka
 National University, Bangladesh

- M.Sc. (Maths) (Part 1)**
 Passing Year 1995, **First Class (First Position)**
Obtained Marks : 65%
 Medium of Instructions: **English**
 Jagannath College, Dhaka
 National University, Bangladesh

- Bachelor of Science**
 Passing Year 1994, **First Class (First Position)**
Obtained Marks : 71.33%
 Tejgaon College, Dhaka
 National University, Bangladesh

- Higher Secondary Certificate (Science)**
 Passing Year 1992, **First Division**
Obtained Marks : 65.2%
 Chaumuhani Govt. S. A. College, Noakhali, Comilla Board, Bangladesh

- Secondary School Certificate (Science)**
 Passing Year 1990, **First Division**
Obtained Marks : 60.04%
 Abir Para Madhyamic Bidya Niketan, Noakhali, Comilla Board, Bangladesh

PROFESSIONAL TRAININGS & OTHER COURSES

- FORTTRAN** programming short course
 Duration : 28 September 1999- 1 October 1999, Department of Mathematics,
 University of Dhaka
- Computer Application Course**
 Duration : 1 January 2000- 10 July 2000, Global
- Training on SBA (School Based Assessment) (2 Days)
 Ministry of Education, Dhaka.
- Teaching Methodology under Satellite Training Programme (**NAEM**), Ministry of
 Education, Dhaka.
 Duration: 20 May 2006 – 30 May 2006 (10 Days)
- Continuing Professional Development Training (CPD-1)
 Duration: 16 March 2009 – 29 March 2009 (14 Days)
 Ministry of Education, Dhaka.
- Continuing Professional Development Training (CPD-2)
 Duration: 24 July 2011 – 28 July 2011 (5 Days)
- Continuing Professional Development Training (CPD-3)
 Duration: 1 Day
- Teacher Led Digital Content Development Training Workshop, ICT for Education in Secondary
 and Higher Secondary Level Project, DSHE, Ministry of Education
 Duration: 17 August 2013 – 22 August 2013 (6 Days)

- General English Course, **The British Council**
Duration: 22 April 2001 – 21 June 2001
- English Language Course, Global
Duration: 1 July 2001 – 31 December 2001
- Multimedia Content Competition** , Under **a2i** Programme, **Prime Minister's Office**,
Tejgaon, Dhaka, Date: 24 March 2014

COMPUTER SKILLS

- Operating System:** WINDOWS 98/XP/2007
- Application Software:** Microsoft Office, MS Power Point, Internet and E-mail
- Programs :** FORTRAN, MATLAB

EXTRA CURRICULA ACTIVITIES

- Life Member :** BANGLADESH MATHEMATICAL SOCIETY, DHAKA
- Member of Executive Committee:** SANATAN SAMAJKALYAN SANGHA, DHAKA
- Member of Executive Committee:** BRIHATTAR NOAKHALI UNNAYAN
SANGHASTA, DHAKA
- Member of Executive Committee:** EPSILON BLOOD DONORS CLUB, DHAKA

LANGUAGE SKILLS

- Excellent verbal and written ability both in **BENGALI** and **ENGLISH**
- Understanding ability : **HINDI**

HOBBIES AND INTERESTS

- Listening Song and Playing game .
- To establish myself successful in the teaching arena and to take the Challenges
- To extend hands in social welfare as long as possible

PERSONAL DETAILS

FATHER'S NAME: Narayan Chandra Karmakar

MOTHER'S NAME: Maya Rani Karmakar

DATE OF BIRTH: 1 January 1975

NATIONAL ID: 19752695042765418

PASSPORT NO.: BB0476865

NATIONALITY: Bangladeshi

RELIGION: Sanatan (Hindu)

MARITAL STATUS: Married

NUMBER OF CHILD: 2 daughters

SEX: Male

PERMANENT ADDRESS: Flat #106, Building # 10, Japan Garden City , 24/A, Tajmahal Road (Ring Road), Mohammadpur, Dhaka-1207

REFERENCES

1. Prof. A. F. M. Khodadad Khan

Professor of Mathematics

Department of Physical Science

School of Engineering and Computer Science

Independent University, Bangladesh

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Dhaka-1229, Bangladesh

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2. Prof. Dr. Nirmal Kanti Mitra

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School of Mathematics and Computing Science
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Natabua Campus, Fiji National University, Fiji
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3. Prof. Dr. Abeda Sultana

Professor of Mathematics
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Jahangirnagar University, Savar, Dhaka-1342, Bangladesh
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I, hereby declare that all information given herewith is accurate and up-to-date.



Kanak Ray Chowdhury