

*Resume*  
*of*  
*Goutam Kumar Saha*

Assistant Professor, Dept. of Mathematics  
Jagannath University, Dhaka- 1100.  
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**E-mail:** goutam.math@gmail.com  
goutam@math.jnu.ac.bd



**Career Objective:**

To be a specialist, creative and adroit faculty of university level students, by which can benefited the organization as well as the students and society through my skill, knowledge, creative thinking, hardworking, honesty, sincerity and analyzing capacity.

**Academic Qualifications:**

Name of Degree : Masters of Science in Applied Mathematics (With Thesis).  
Institution : University of Dhaka  
Year of passing : 2009 (Held in 2011).  
Result : First Class 3<sup>rd</sup>.  
Major Field of Study : Fuzzy Mathematics.

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Name of Degree : Bachelor of Science in Mathematics (4 years)  
Institution : University of Dhaka  
Year of passing : 2008 (Held in 2010)  
Result : First Class 13<sup>th</sup>.

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Name of Degree : Higher Secondary School certificate (H.S.C)  
Institution : Govt. Yasin College, Faridpur.  
Board : Dhaka  
Year of passing : 2004  
Major Group : Science

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Name of Degree : Secondary School certificate (S.S.C)  
Institution : Shibrapur R. D. Academy  
Board : Dhaka  
Year of passing : 2001  
Major Group : Science

## Publications:

### ➤ Journal Paper Publications

1. Ghosh, B.P., **Saha, G.K.** & Mondal R. N., “A Novel Numerical Scheme for 1D Parabolic Equation on a Graded Mesh: Application to Burgers’ Equation”, *Jagannath University Journal of science*, Vol. 08(II), June, 2022, pp-47-54.
2. Ghosh, B.P., **Saha, G.K.** & Mondal R. N., “Numerical Method for 1D Quasi-Linear Hyperbolic Equation on a Graded Mesh in Time: Application to Telegraphic Equation”, *Jagannath University Journal of science*, Vol. 07(II), June, 2021, pp-81-92.
3. **Saha, G.K.**, Das H. K. & Kamrunnahar, “A Heuristic Algorithm for Solving Two Person Zero Sum Game Using Triangular Fuzzy Number”, *Journal of Advances in Mathematics and Computer Science*, Volume 28(4): pp. 1-18, 2018(September).
4. **Saha, G.K.** & Shirin, S. “Fuzzy Version of Secant Method to Solve Fuzzy Non-linear Equations”, *Gonit: J. of Bangladesh Math. Soc.* Vol. 35(2015), pp. 129-136.
5. **Saha, G.K.** & Ghosh, B.P., “Solution of Fuzzy Non-Linear Equations Using Taylor’s Series Expansion”, *Jagannath University Journal of science*, Vol. 04(II), June, 2015, pp-13-22.
6. **Saha, G.K.** & Shirin, S. “Solution of Fuzzy Non-linear Equations Using Bisection Algorithm”, *Dhaka Univ. J. of Sci.*, Vol. 61(1), pp. 53-58, 2013(January).
7. **Saha, G.K.** & Shirin, S. “A New Approach to Solve Fuzzy Non-linear Equations Using Fixed Point Iteration Method”, *Gonit: J. of Bangladesh Math. Soc.* Vol. 32(2012), pp. 15-21.
8. Shirin, S. & **Saha, G.K.**, “A New Computational Methodology to Find Appropriate Solutions of Fuzzy Equations”, *Mathematical Theory and Modeling*, Vol. 2(2011), No. 1, pp.1-10.

### ➤ Book published (abroad):

1. **Saha, G.K.** & Shirin, S. “Solution of Fuzzy Linear and Non-linear Equations”, (Thesis published by *LAP LAMBERT Academic Publishing* (June 1, 2012), From Germany).

### ➤ Books Published (Local):

1. **Saha, G.K.** “Business Mathematics” (March 2018) 6<sup>th</sup> edition, (*Nadi Publications, 38/3 Banglabazar, Dhaka-1100*).
2. **Saha, G.K.** “Solution of Business Mathematics” (March 2012), 2<sup>nd</sup> edition, (*Nadi Publications, 38/3 Banglabazar, Dhaka-1100*).
3. **Saha, G.K.** “Fundamentals of Mathematics” (February 2013), (*Nadi Publications, 38/3 Banglabazar, Dhaka-1100*).
4. **Saha, G.K.** “Linear Algebra” (March, 2014), (*Nadi Publications, 38/3 Banglabazar, Dhaka-1100*).
5. **Saha, G.K.** “Fundamentals of Mathematics (Non-major)” (May, 2014), (*Nadi Publications, 38/3 Banglabazar, Dhaka-1100*).

### Teaching Experience:

- 15<sup>th</sup> December, 2016 - till date : Assistant Professor, Department of Mathematics, Jagannath University, Dhaka-1100.
- 1<sup>st</sup> July, 2013 - 14<sup>th</sup> December, 2016 : Lecturer, Department of Mathematics, Jagannath University, Dhaka-1100.
- 2<sup>nd</sup> June, 2012 - 30<sup>th</sup> June, 2013 : Lecturer, Department of Mathematics & Statistics, Bangladesh University of Business and Technology (BUBT), Dhaka.

### Project Experience:

**Topic:** “Fuzzy Sets & Fuzzy number and Its Applications.”

**Supervisor’s name:** Prof. Shapla Shirin.

**Department:** Department of Mathematics, University of Dhaka.

### Thesis Experience:

**Topic:** “Solution of Fuzzy linear and non-linear equation.”

**Supervisor’s name:** Prof. Shapla Shirin.

**Department:** Department of Mathematics, University of Dhaka.

### **Computer Knowledge:**

- Microsoft Office (Word, Power Point, Excel.), Adobe Photoshop.
- Programming languages: C, C++, FORTRAN 90/97.
- Programming Packages : Mathematica, MATLAB.
- Have practical knowledge in working with different Software.
- Internet Browsing.

### **Language Proficiency:**

- Bengali (Fluent in Speaking, Listening, Reading and Writing as a native language).
- English (Fluent in Speaking, Listening, Reading and Writing).

### **Life Memberships:**

- Life member of Bangladesh Mathematical Society.
- Mathematics Students' Association, Jagannath Hall, University of Dhaka.

### **Area of Research Interests:**

- Fuzzy Mathematics
- Financial Mathematics
- Numerical Analysis
- Actuarial Science

### **M.S. Thesis Student Supervision**

**Murad Hosen**, Jagannath University, M. Sc student, Session 2015-16, Completed, 2019.

**Title:** Fuzzy Nonlinear Optimization Using Triangular Intuitionistic Fuzzy Number.

### **Project Thesis Student's Supervision (B. Sc (Hons.))**

B.Sc. (Hons.) Project Thesis supervision on the topics Fuzzy Mathematics & Financial Mathematics.

- 2019: No. of students 3 (1 group)
- 2018: No. of students 6 (2 groups)
- 2017: No. of students 6 (2 groups)

- 2016: No. of students 6 (2 groups)
- 2015: No. of students 6 (2 groups)
- 2014: No. of students 6 (2 groups)

### Personal Interests:

Creative thinking, voluntary humanitarian work, Reading books, Newspapers, Watching movies, Make social network by using internet, Making friends.

### Personal Details:

Father's Name : Gokul Kumar Saha.  
 Mother's Name : Dalim Rani Saha.  
 Present Address : Assistant Professor, Dept. of Mathematics  
 Jagannath University, Dhaka-1100.  
 Permanent Address : Vill.- Shibrampur, P.O.- Shibrampur, P.S.-Faridpur Sadar,  
 Dist.- Faridpur.  
 Date of Birth : 14<sup>th</sup> October 1985.  
 Place of Birth : Faridpur, Bangladesh.  
 Nationality : Bangladeshi (By Birth)  
 Religion : Shanatan (Hindu).  
 Blood group : A+  
 Marital status : Married.  
 Contact Number : 01717470157; 01672306633.  
 E-mail Address : goutam.math@gmail.com

### References:

Dr. Amulya Chandra Mondal  
 Professor (Ret.) and former chairman,  
 Department of Mathematics  
 University of Dhaka.  
 Contact Number: +88-01912517699  
 E-mail: acmdumath@gmail.com

Shapla Shirin  
 Professor,  
 Department of Mathematics  
 University of Dhaka.  
 Contact Number: +88-01552341914  
 E-mail: shapla\_shirin@yahoo.com

## **Declaration of Authenticity:**

I, the undersigned, declare that the information presented in this document is authentic to the fullest of my knowledge and describes my qualification.

Signature,



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Goutam Kumar Saha.

**Date : 25-06-2022.**