

Curriculum Vitae of **MD. NURUJJAMAN**

Assistant Professor, Department of Mathematics,
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Career Objective:

To work dynamic, challenging, multicultural, disciplined environment and opportunities to prove my potentiality, sincerity, creativity and achieve a position, so that I can utilize my skills as well as flourish and expand my knowledge. I want to work not only for myself but also for the nation.

Experience:

1. **Assistant Professor**, Department of Mathematics, Jagannath University, Dhaka.
From: 07 September, 2020 to date.
Courses Taught: Calculus-III, Calculus-IV, Numerical Analysis-II, Abstract Algebra-I.
2. **Lecturer**, Department of Mathematics, Jagannath University, Dhaka.
From: 14 January, 2018 to 07 September, 2020.
Courses Taught: Fundamentals of Mathematics, Calculus-III, Calculus-IV, Numerical Analysis-II, Abstract Algebra-I, Abstract Algebra-II.
3. **Lecturer**, Department of Mathematics, Sonargaon University, Green Road, Dhaka.
From: 14 January, 2016 to 14 January, 2018.
Courses Taught: Advanced Calculus, Vector Analysis, Differential Equations (Ordinary and Partial), Numerical Analysis, Complex Analysis, Statistics.
4. **Adjunct Faculty**, Department of Mathematics, Presidency University, Gulshan, Dhaka.
From: May-2016 to August-2016.
Courses Taught: Calculus, Differential Equations, Three-Dimensional Coordinate Geometry.

Research Activities:

Research Interest:

Fractal Geometry, Dynamical System, Mandelbrot and Julia Sets, Population Dynamics, Chaos Theory, Meteorological System.

Journal Publications:

1. **Md. Nurujjaman**, "Enhanced Euler's Method to Solve First Order Ordinary Differential Equations with Better Accuracy" Journal of Engineering Mathematics & Statistics, 4(1), 1- 13.
2. **Md. Zakir Hosen, Md. Nurujjaman**, "Generating Chaotic Sounds of 1-D Maps with its Application", Int. J. Adv. Appl. Math. and Mech.(ISSN: 2347-2529), 7(3) (2020) 85 – 95.
3. **Md. Nurujjaman**, Ahammad Hossain and Payer Ahmed, "A Review of Fractals Properties: Mathematical Approach", Science Journal of Applied Mathematics and Statistics. ISSN: 2376-9491(Print); ISSN: 2376-9513(Online), Vol-5, No-3, 2017, pp. 98-105.
4. Ahammad Hossain, **Md. Nurujjaman** and Rita Akter, "Fractals Generating Techniques", Sonargaon University Journal (SUJ), ISSN: 2518-3125, Vol-1, Issue-2.

Conference Paper:

1. “**Mathematical Approach of Fractals**”, Conference on Applications of Mathematics in Real Life -2015, Bangladesh Mathematical Society (BMS), Venue- Jagannath University.
2. “**Fractals in Nature**”, 19th International Mathematics conference, Bangladesh Mathematical Society (BMS), Venue- BRAC University Bangladesh.

Educational Background:

<u>Degree/Exam</u>	<u>University/Institution</u>	<u>Subject/Group</u>	<u>Exam Year(Held in)</u>	<u>Results</u>
M.Phil.	Jagannath University	Mathematics	Session 2018-19	Ongoing
M.Sc. (Thesis)	Jagannath University	Mathematics	2012(2015)	3.82(Scale-4)
B.Sc. Honor's	Jagannath University	Mathematics	2011(2013)	3.91(Scale-4)
H.S.C.	Govt. Science College	Science	2006(2006)	4.90(Scale-5)
S.S.C.	Zinzira P.M. Pilot High School	Science	2004(2004)	4.63(Scale-5)

Computer Skills:

1. Member of Bangladesh Mathematical Society (Lifetime Member-1115).
2. Member of Jagannath University Mathematics Alumni Association.

Membership:

- MS Office : Word, PowerPoint, Excel.
- Programming Language : MATLAB, MATHEMATICA, FORTRAN and C.
- Other : Web Design & Development (HTML & CSS).

Language Proficiency:

- ✓ Bengali (native language as well as excellent in reading, writing and speaking).
- ✓ English (excellent in reading, writing and moderate in speaking)

Personal Profiles:

Father	: Md. Abul Kalam	Mother	: Mst. Nurun Naher
Date of Birth	: 18-06-1988	Nationality	: Bangladeshi (by birth)
Religion	: Islam	Marital Status	: Married
Permanent Address	: Village: Notun Babupara, Saidpur-5310, Saidpur, Nilphamari.		

Reference:

Professor Dr. Payer Ahmed

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