Annexure-I

Application Form for Teaching Positions
(Part-Time/Contractual/Ad-hoc/Industry Experts & others)

Documents must be submitted with the form:

1. Two copies of passport size recent photographs.
2. Attested copies of all academic certificates, transcripts & other relevant certificates (if any).
3. Experience certificate (if any).
4. List of publications.
5. NID Card Photocopy.
6. NOC for Part Time Faculty and Industry Experts.

Instructions:

1. Incomplete or incorrect application will be rejected.
2. Extra rows can be added if necessary.
3. Any kind of persuasion will disqualify the candidate.
4. Applicants, who are currently employed, need to apply through proper channel**.**



Position applied for : Dr. Md. Amirul Islam
Department : Nutrition and Food Engineering (NFE)
Major (if any) **: Mathematics**
Current position (if applicable)**: Assistant Professor**

1. Personal Information:

SL.	Particulars	Detailed Information
1.	Name	**Dr. Md. Amirul Islam**
2.	Father's name	Md. Abu Bakkar Siddique
3.	Mother's name	Mrs. Abu Bakkar Siddique
4.	Date of birth	30/09/1985
5.	Age	40 years 4 months
6.	Gender	Male
7.	Mailing address	Department of Mathematics Mawlana Bhashani Science and Technology University, Santosh, Tangail-1902, Bangladesh.
8.	Contact number (s)	01710459975
9.	E-mail address	amirul.math@gmail.com
10.	Permanent address	Village: Chaira, P.O.: Khorddo Gajail, P.S: Ullapara, District: Sirajgonj.
11.	Nationality	Bangladeshi.
12.	National ID number	19859196207498591
13.	Religion	Islam

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14.	Marital status	Married
15.	Salary	As per DIU rules.

2. Educational Qualifications (Started from Higher Degree):

Certificate/ Degree	Board/University	Group/ Subject	Division/Class/ CGPA	Passing year
Ph.D.	Jahangirnagar University Savar, Dhaka.	Mathematics	Awarded	2023
M.S. in Mathematics	Shahjalal University of Science and Technology, Sylhet.	Mathematics	CGPA: 3.81 (Out of 4.00) with distinction, Position: 1st class 2nd	2007
B.Sc.(Hon's) in Mathematics	Shahjalal University of Science and Technology, Sylhet.	Mathematics	CGPA: 3.62 (Out of 4.00) Position: 1st class 4th	2006
H.S.C.	New Govt. Degree College.	Rajshahi	First division	2002
S.S.C.	Ullahpara Marchents High School.	Rajshahi	First division (with star marks)	2000

3. Academic Achievements (if any):

SL.	Description	Year
1.	Research Award for Scopus indexed journal publication – Uttara University (1st time).	2022
2.	Research Award for Scopus indexed journal publication – Uttara University (2nd time).	2023
3.	Semester-wise scholarship for highest CGPA in M.S. Department of mathematics, SUST.	2007
4.	Semester-wise scholarship for highest CGPA in B.Sc. (Hon's), Department of mathematics, SUST.	2002-2006

4. Professional Experiences (if any, started from last one):

SL.	Designation	Institution/Organization	From (Date) ------- To (Date)
1.	Assistant Professor	Department of Mathematics at Mawlana Bhashani Science and Technology University, Santosh, Tangail-1902	June 29, 2024 to till date
2.	Associate Professor	Department of Mathematics at Uttara University, Dhaka	April 01, 2023 to June 28, 2024
3.	Assistant Professor	Department of Mathematics at Uttara University, Dhaka	March 01, 2017 to March 31, 2023
4.	Senior lecturer	Department of Mathematics at Uttara University, Dhaka	January 01, 2015 to February 28, 2017

5.	Lecturer	Department of Mathematics at Uttara University, Dhaka	July 02, 2012 to December 31, 2014
6.	Adjunct faculty	Dept. of Arts and Sciences, Ahsanullah University of Science and Technology (AUST), Dhaka.	Fall Semester-2025
7.	Adjunct faculty	Dept. of Textile Engineering, Southeast University (SEU), Dhaka.	Spring Semester-2025

5. Professional Training/Conference/Workshop/Seminar (if any):

SL.	Title/Topic	Name of the Institute	From (Date) --- To (Date)
1.	Training on BNQF Alignment For Accreditation: Key Concepts, Structure, and Implementation Strategies.	Institutional Quality Assurance Cell (IQAC), Mawlana Bhashani Science and Technology University (MBSTU), Santosh, Tangail-1902, Bangladesh.	26 January 2026
2.	Workshop on implementation of OBE curriculum: Continuous Improvement and Associated challenges.	Institutional Quality Assurance Cell (IQAC), Mawlana Bhashani Science and Technology University (MBSTU), Santosh, Tangail-1902, Bangladesh.	21-23 September 2025
3.	Seminar on Mathematical Perspective on plasma Dynamics: Nonlinear Evolution Equations and their Applications.	Department of Mathematics, Mawlana Bhashani Science and Technology University (MBSTU), Santosh, Tangail-1902, Bangladesh.	29 January 2026
4.	Day long workshop on Teaching Learning and assessment: Methods and Techniques.	Institutional Quality Assurance Cell (IQAC), Mawlana Bhashani Science and Technology University (MBSTU), Santosh, Tangail-1902, Bangladesh.	18 December 2024
5.	Seminar on Fourier series and Integral Transforms.	Department of Mathematics, Uttara University, Dhaka	09 May 2024
6.	Seminar on the fractional derivatives, its evolution and applications.	Department of Mathematics, Uttara University, Dhaka	28 February 2024.
7.	National Seminar on nanotechnology, Robotics & IOT for smart Bangladesh.	Department of Physics, Uttara University, Dhaka	01 December, 2023.
8.	Seminar on Application of multivariable functions in real life.	Department of Mathematics, Uttara University	16, October 2023.
9.	2-day training on Research Methodology (Research Design, Proposal Writing and Report Writing).	Institutional Quality Assurance Cell (IQAC), Uttara University, Dhaka	6-7 June 2018.

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10.	2-day training on Curriculum Concept, Models and Development Strategy.	Institutional Quality Assurance Cell (IQAC), Uttara University, Dhaka,	21-22 March 2018.
11.	Day long training on The Role and Responsibility and Ethical Principles of the University Teachers.	Institutional Quality Assurance Cell (IQAC), Uttara University, Dhaka.	25 February 2018.
12.	Workshop on Problems and Suggestions for Mathematics Graduates in the Perspective of Global Job Market.	Department of Mathematics, Shah Jalal University of Science and Technology, Sylhet.	22-23 February 2018.
13.	Seminar on A Manufacturer-Buyer Integrated Inventory Model.	Jointly organized by DBA, Northern University Bangladesh (NUB) & Centre for Management Research & information Technology (CMRIT), Dhaka.	16 August 2017.
14.	Seminar on Optimization and Optimal Control theory and Application.	Jointly organized by DBA, Northern University Bangladesh (NUB), Bangladesh Mathematical Society & Centre for Management Research & information Technology (CMRIT), Dhaka.	25 February 2017.
15.	Training on Pedagogy and Meta cognitive Tools and Techniques.	Institutional Quality Assurance Cell (IQAC), Uttara University, Dhaka.	4 June, 2016.
16.	2-day training on Research methods, Tools and Techniques, 2016.	Institutional Quality Assurance Cell (IQAC), Uttara University, Dhaka.	5-6 March,
17.	3-day training on Teaching Learning Techniques, Curriculum Development.	Institutional Quality Assurance Cell (IQAC), Uttara University, Dhaka.	24-25 January and 13 February, 2016.
18.	Seminar on Application of Mathematics in Real Life (SAMRL).	Department of Mathematics, Jagannath University, Dhaka.	22 August 2015.
19.	International Conference on Applied Mathematics Models (ICAMM)	PSG College of Technology, Coimbatore, India,	03-05, January,2014.
20.	Instructional Workshop on Matrix Analytical Method in Stochastic Models (MAM).	Department of Mathematics, National Institute of Technology (NIT), Calicut, India.	06-07, January, 2014.

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6. Professional Award/Recognition/Honor (if any):

SL.	Name of the Award/ Recognition/Honor	Awarded by	Year

7. Language Proficiency:

SL.	Language	Reading	Writing	Speaking	Listening
1.	Bangla (Native)	Excellent	Excellent	Excellent	Excellent
2.	English	Good	Good	Good	Good
3.	Arabic	Good	Poor	Poor	Average

8. Computer and Other Skills (if any):

SL.	Detailed Information
1.	Programming languages in C, C++ and Fortran.
2.	Software: Maple, Matlab, Mathematica.
3.	Microsoft Office: Word, Excel, Power Point and more.

9. Publications in National/International Journals (if any):

SL.	Title with Author(s)	Journal, with Vol. Number, PP, Year of Publication and Country
1.	**Md. Amirul Islam**, Mohammad Ekramol Islam and Abdur Rashid, "Stochastic optimization of level-dependent perishable inventory system by Jackson network."	*Ain Shams Engineering Journal*, Elsevier, Vol. 14, No. 4, 2023.
2.	**Md. Amirul Islam,** Mohammad Ekramol Islam and Abdur rashid, "(s, S) Stochastic Inventory Sytem in Jackson networks."	*International Journal of Operational Research*, Vol. 43, No. 4, PP. 416-436, 2022.
3.	Mohammad Ekramol Islam, **Md. Amirul Islam** and Sayed Sabbir Ahmed, "Base stock Stochastic Inventory System in Jackson network."	*Journal of Applied Probability and Statistics* (JAPS), Vol.14, No.1, pp. 117-134, 2019.
4.	**Md. Amirul Islam,** Mohammad Ekramol Islam and Abdur Rashid, "Modeling and analysis of stochastic perishable inventory System with impatient customers at service facility**."**	*Mathematical problems in engineering*, Volume 2023, Article ID 1647844, 2023.

5.	**Md. Amirul Islam,** Mohammad Ekramol Islam and Abdur Rashid, "Stochastic multi-server Inventory System at service facility with Reneging of Customers in Jackson network**."**	*Journal of Applied Probability and Statistics*, Vol. 18, No. 1, pp. 035-058, 2023.
6.	Abdur Rashid and **Md. Amirul Islam,** "Analysis of the Impact of Optimal Solutions to the Transportation Problems for Variations in Cost Using Two Reliable Approaches."	*American Journal of Computational Mathematics*,13,607-618,2023, doi: 10.4236/ajcm.2023.134033.
7.	Abdur Rashid and **Md. Amirul Islam**, "An Efficient Approach for Transforming Unbalanced Transportation Problems into Balanced Problems in Order to Find Optimal Solutions."	*American Journal of Operations Research*, Vol.14, PP.74-86, 2024.
8.	**Md. Amirul Islam,** "A Comparative Study on Numerical Solutions of Initial value problems (IVP) for Ordinary Differential Equations (ODE) with Euler and RungeKutta Method."	*American Journal of Computational mathematics*, Vol.5, No.3, PP.393-404, 2015. http://dx.doi.org/10.4236/ajcm.2015.53034.
9.	**Md. Amirul Islam**, "Accurate Solutions of Initial Value Problems (IVP) for Ordinary Differential equations with fourth Order RungeKutta Method."	*Journal of Mathematics Research*, Vol. 7, No.3, PP 41-45, 2015. *http:*//dx.doi.org/10.5539/jmr.v7n3p41.
10.	**Md. Amirul Islam**, "Accuracy Analysis of Numerical Solutions of Initial value problems (IVP) for Ordinary Differential Equations (ODE)."	*IOSR Journal of Mathematics*, Vol. 11, No.3, PP.18-23, 2015. *http:*//dx.doi.org/10.9790/5728-11331823.
11.	**Md. Amirul Islam** and Md. Shajedul Karim, "Construction of hybrid type four sided elements and Computation of element matrices for Numerical Integration."	*Journal of Engineering Science*, Vol. 6, No. (1&2), PP 87-98, 2015.
12.	**Md. Amirul Islam,** Nurul Alam Khan, **"**Investigate Numerical solutions of higher order initial value Problems."	NUB Journal of Applied sciences, Vol. 3, No. (1 & 2), PP-1-4, 2021.

10. Publication of Book(s) (if any):

SL.	Title of the Book	Publisher	Year
1.	**Md. Amirul Islam,** Co-author of Higher Secondary Text Book of Mathematics (First paper) approved by NCTB.	Glory publication, Dhaka.	2013
2.	**Md. Amirul Islam,** Co-author of Higher Secondary Text Book of Mathematics (Second paper) approved by NCTB.	Glory publication, Dhaka.	2014

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11. Publications in National and International Conference/Seminar (if any):

SL.	Title of the Paper with Author(s)	Name of the Proceedings, PP, Year and Country
1.	**Md. Amirul Islam**, & S.M. Kamal Hossain, "Analysis of Approximate Solutions of Initial Value Problems (IVP) for Ordinary Differential Equations (ODE)."	*Proceedings of the international Conference on Mechanical, Industrial and Materials Engineering (ICMIME), 11-13 December, 2015, RUET, Rajshahi.*
2.	**Md. Amirul Islam** and Md. Shajedul Karim, "Analysis of the Finite Element Solutions of Saint Venant torsion problem for a trapezoidal cross section."	*Proceedings of the international Conference on Mechanical, Industrial and Materials Engineering (ICMIME), 28-30 December 2017, RUET, Rajshahi.*
3.	**Md. Amirul Islam** and Md. Shajedul Karim, "Numerical Approach of Saint Venant torsion problem for a square cross section by Finite element method."	*Proceedings of the 5th international conference on natural sciences and technology (ICNST), Asian Women University,* Chittagong, Bangladesh, 30 – 31 March, 2018, published by i-lab Australia.
4.	**Md. Amirul Islam,** Nurul Alam Khan, Md. Abdur Rashid, **"**Numerical solution of higher order boundary value problem (BVP) using Finite difference method (FDM)."	*ICRAMPS, Jahangirnagar University, Savar, Dhaka, 2018.*
5.	**Md. Amirul Islam,** Nurul Alam Khan, **"**On numerical solutions of initial value problems based on Picard's iteration method."	*National Conference on weather forecasting and advances in physics, KUET, Khulna, 2018.*
6.	Mohammad Ekramol Islam, **Md. Amirul Islam** and Md. Abdur Rashid, "Stochastic Perishable Inventory System in Jackson network for Jockeying customers."	*A F Mujibur Rahman-Bangladesh Mathematical Society National Mathematics Conference- 2018, Dhaka University, Dhaka.*
7.	**Md. Amirul Islam,** Nurul Alam Khan, Md. Abdur Rashid, "Numerical Solution schemes of eight order boundary value problem by Finite Difference method (FDM)."	*A F Mujibur Rahman-Bangladesh Mathematical Society National Mathematics Conference- 2018, Dhaka University, Dhaka.*
8.	**Md. Amirul Islam,** Nurul Alam Khan, Md. Abdur Rashid, "Numerical Solution of One-dimensional Wave Equation by Finite Difference Method."	*4th international conference on Advances in civil engineering, CUET, Chittagong, 2018.*
9.	**Md. Amirul Islam and** Md. Shajedul Karim, **"**Efficiency analysis of numerical solution of saint-venant torsion problem by finite element method."	*4th international conference on Advances in civil engineering, CUET, Chittagong, 2018.*
10.	**Md. Amirul Islam,** S.M Kamal Hossain, Md. Abdur Rashid, "Numerical Solution of One-Dimensional Heat Equation by Finite Difference Method."	*5th International Conference on Mechanical Industrial & Energy Engineering, KUET, Khulna, 2018.*
11.	**Md. Amirul Islam,** Nurul Alam Khan, Md.	*5th International Conference on Engineering*

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	Abdur Rashid, "Numerical solution Schemes of Nonlinear Bratu-Type differential equation."	*Research, Innovation and Education, Sylhet,* 2019.
12.	**Md. Amirul Islam,** Md. Shajedul Karim, Numerical solution of convection-diffusion equation based on Crank–Nicolson finite difference method."	*5th International Conference on Engineering Research, Innovation and Education, Sylhet,* 2019.
13.	**Md. Amirul Islam,** Nurul Alam Khan, 'Investigation on numerical solutions of Lane-Emden differential equations by Adomian decomposition method."	*21st International Mathematics Conference 2019, Bangladesh Mathematical Society (BMS), Dept. of Applied Mathematics, Dhaka University, Dhaka.*
14.	**Md. Amirul Islam, Md. Shajedul Karim,** Investigate Solution of Saint Saint-Venant Torsion for an Equilateral Triangular Cross-section by Higher Order Finite Elements.	*3rd International Conference on "Physics for Sustainable Development & Technology (ICPSDT)"18-19 December, 2019, CUET.*
15.	**Md. Amirul Islam,** Nurul Alam Khan, Abdur Rashid, "Numerical Study of stiff differential equation (SDE) using Fehlberg fourth-fifth order Runge-Kutta method."	*International Conference on Materials, Energy, Environment and Engineering (ICMEEE), JUST, March* 30-31, 2020.
16.	**Md Amirul Islam,** Nurul Alam Khan, S.M. Kamal Hossain, "Numerical Solutions of Nonlinear Boundary value (NBVP) Problems based on higher order Finite difference method (FDM)."	*International Conference on Materials, Energy, Environment and Engineering (ICMEEE), JUST, March* 30-31, 2020.
17.	**Md. Amirul Islam** and Nurul Alam Khan, "Numerical Study of Boundary Value Problems using Finite difference method (FDM)."	*22nd International Mathematics Conference 2021, Bangladesh Mathematical Society (BMS), Dept. of Mathematics, Dhaka University, Dhaka.*
18.	**Md. Amirul Islam,** Mohammad Ekramol Islam and Abdur Rashid, "Stochastic Perishable Inventory System in Jackson Network with Service Facility."	*BMS National Mathematics Conference 2022 to be held 13 - 14 January 2023 at the Department of Mathematics, Jahangirnagar University, Savar, Dhaka-1342.*
19.	**Md. Amirul Islam** and Mohammad Ekramol Islam, "Matrix Analytic Approach for Stochastic Perishable Inventory System in Jackson Network."	*International Conference on Science, Technology, Engineering, Mathematics and Education, Huston-Tillotson University, Austin, Texas. August* 7 - 11, 2023.
20.	**Md. Amirul Islam** and Mohammad Ekramol Islam, "Stochastic Queuing Inventory System (QIS) for Buffer Customers for Perishable Items and level Dependent Service Providing Facility."	*23rd International Mathematics Conference, at the Department of Mathematics, Rajshahi University, Rajshahi- 6205.*
21.	Md Saiful Islam, **Md. Amirul Islam**, Mst. Shapla Akter, "Soliton Solutions of Nonlinear Partial Differential Equations through a novel Analytical Approach."	*International Conference on Science, Technology, Engineering, Mathematics and Education, Huston-Tillotson University, Austin, Texas. December 17* - 20, 2024.

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22.	**Md. Amirul Islam,** Md. Sahjjad Rahman, **"**Analytical Approximate Solutions of (1+1) Dimensional Nonlinear Klein-Gordon Equation**."**	*3rd international conference on Mathematical Analysis and Applications in Modeling (ICMMAM), Department of mathematics, CUET, Chattogram, Bangladesh. December 5-7, 2024.*
23.	**Md. Amirul Islam,** Mohammad Ekramol Islam and Abdur Rashid, "Numerical Simulations and Sensitivity Analysis of Stochastic Perishable Inventory System at Service Facility in M/M/1/N Queue."	*3rd international conference on Mathematical Analysis and Applications in Modeling (ICMMAM), Department of mathematics, CUET, Chattogram, Bangladesh. December 5-7, 2024.*
24.	Md Saiful Islam, **Md. Amirul Islam**, Mst. Shapla Akter, Md. Shafikul Islam, **"**Analytical Schemes of Solitary Wave Solutions for Nonlinear PDEs using the Novel (G'/G) Expansion Method."	*2nd international conference on Mathematics and Applications (ICMA), December 13-15, 2024, Kathmandu, Nepal.*

12. Supervision of Theses/Projects (if any):

SL.	Academic Program	Title	Awarding Year
1.	Supervised numerous M.Sc. theses and projects to completion.		
2.	Three (3) M.Sc. theses are currently in progress.		
3.	Three (3) B.Sc. (Hons) projects are underway.		

13. Professional Body Membership/Fellowship/Other Noteworthy Affiliations (if any):

SL.	Description	Year

14. Other Necessary Information (if any):

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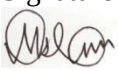
15. Name with affiliations, telephone numbers and email addresses of two referees who are not related to the applicant:

	Reference 1	**Reference 2**
Name	**Dr. Mohammad Mokaddes Ali**	**Dr. Abdur Rashid**
Designation	Professor, Dept. of Mathematics	Professor, Dept. of Mathematics
Organizations	Mawlana Bhashani Science and Technology University, Tangail-1902, Bangladesh.	Jahangirnagar University Savar, Dhaka-1342, Bangladesh.
Mobile	Cell Phone: 01743-939681	Cell Phone: 01718-678652
Email Address	mmali309@gmail.com	rashid@juniv.edu

I hereby confirm that all the information provided in my application is accurate, complete, and truthful to the best of my knowledge and belief. I have not hidden any relevant details or misrepresented any information. I understand that if at any point it is discovered that I have concealed or misrepresented any information or provided false statements, my application/appointment may be rejected or terminated without prior notice or compensation.

Name : **Dr. Md. Amirul Islam**

Signature of the Applicant:



Date : 03/02/2026

Remarks (For Official Use Only)	
Head of the Department	
Dean of the Faculty	