

CURRICULUM VITAE

Name: Professor Mst. Kamrunnaher

NID: 145 203 5320

Date of Birth: 20 December, 1969

Current Mailing Address:

Professor

Department of Mathematics Islamic University, Kushtia-7003, Bangladesh

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Permanent Address: 23/11 M M Hossain Road, Eidgahpara, Kushtia 7000, Bangladesh

Nationality: Bangladeshi

Sex: Female

Marital status: Married (Husband and three daughters)



Academic Qualification:

1991 Master of Science (M.Sc.) in Mathematics, University of Rajshahi (RU)

Rajshahi, Bangladesh Obtained 1st Class

1990 Bachelor of Science (Honours) in Mathematics, University of Rajshahi (RU,)

Rajshahi, Bangladesh Obtained 1st Class

1987 Higher Secondary Certificate (H.S.C), Jessore board, Bangladesh Obtained 1st Division

1985 Secondary School Certificate (S.S.C), Jessore board, Bangladesh Obtained 1st Division

Honours and Awards:

1.	University Merit Scholarship	Awarded merit Scholarship (01.07.1987~30.06.1990) at University of Rajshahi, Rajshahi 6205, Bangladesh, Awarded a merit scholarship on the basis of B. Sc. (Honours) results in 1990 from the University of Rajshahi 6205, Bangladesh.
2.	Higher Secondary Certificate Board Scholarship	Awarded Jessore Board Scholarship (01.07.1987~30.06.1990) on the basis of H.S.C. results in 1987 from the Board of Higher Secondary Certificate, Jessore, Bangladesh.
3.	Secondary School Certificate Board Scholarship	Awarded Jessore Board Scholarship (01.07.1985~30.06.1987) on the basis of H.S.C. results in 1985 from the Board of Secondary School Certificate result, Jessore, Bangladesh.

Academic Position:

1.	Professor	Islamic University (IU), Kushtia, Bangladesh, Serving as a Professor, Department of Mathematics, since December 07, 2018 upto date.
2.	Associate Professor	Islamic University (IU), Kushtia, Bangladesh, Serving as an Associate Professor, Department of Mathematics, since April 15, 2010 to October 06, 2018.
3.	Assistant Professor	Islamic University (IU), Kushtia, Bangladesh, Serving as an Associate Professor, Department of Mathematics, since October 11, 2004 to April 14, 2010.
4.	Assistant Professor	Islamic University (IU), Kushtia, Bangladesh, Serving as an Assistant Professor, Department of Computer Science and Engineering, since July 08,

		1999 to October 10, 2004.
5..	Lecturer	Islamic University (IU), Kushtia, Bangladesh, Serving as a Lecturer, Department of Computer Science and Engineering, since July 08, 1996 to July 07, 1999.
6.	Chairman	Islamic University (IU), Kushtia, Bangladesh, Serving as a Chairperson/head of Department of Mathematics Chairman-Islamic University (IU), Kushtia, Bangladesh, since August 18, 2007 to 17 July 10, 2010.
7.	Dean	Islamic University (IU), Kushtia, Bangladesh, Serving as a Dean, Faculty of Sciences, since November 14, 2022 to November 13, 2024
8.	Syndicate member	Board of Syndicate Council, Islamic University, Kushtia 7003, Bangladesh since November 13, 2022 to 13 November 2024
9.	Faculty Member	Faculty of Sciences, Islamic University (IU), Kushtia, Bangladesh, Serving as an Academic member for the development academic curriculum and other activities according to faculty ordinances for regulation all departments under this faculties since April 18, 2018 upto date.
10.	Editorial Board Member	Member of Editorial Board, Journal of Islamic Education and Research Vol.7, No. 1, 2011, Islamic University, Kushtia 7003, Bangladesh.

Research Interest:

Water wave Mechanics, Fluid Mechanics, Hydrodynamics, Partial Differential Equation, Rheology

References	
(a) Academic	
1. Professor M. Ashabul Hoque Professor & Chairman Department of Mathematics University of Rajshahi, Rajshahi-6205, Bangladesh. e-mail: mahoque@ru.ac.bd Tel:+8801715587509	2. Dr. Nasima Akhter Professor Department of Mathematics University of Rajshahi, Rajshahi-6205, Bangladesh. e-mail: nasima.math.ru@gamil.com Tel: +8801716170151
(b) Professional	
1. Dr. S. M. Mostafa Kamal Professor Department of Mathematics Islamic University, Kushtia-7003, Bangladesh Tel: +8801716 506096 e-mail: kamaliubd@yahoo.com	2. Dr. Md. Asaduzzaman Professor Department of Mathematics Islamic University, Kushtia-7003, Bangladesh Tel: +8801716297569 e-mail: masad_iu_math@yahoo.com or asad@math.iu.ac.bd

Academic Job (Teaching and Research) in the Department of Mathematics

Academic degree	Level	Course Code	Course Title
Under Graduate student Bachelor of Science (B.Sc. Hons)	1 st Year	MATH-1105	Analytical Geometry of 2D
		MATH -1106 (Practical)	Algebra and trigonometry lab Using Fortran 77
	2 nd Year	MATH -2209	Analytical Geometry of 3D
	3 rd Year	MATH -3103	Numerical Analysis
		MATH -3104 (Practical)	Numerical Analysis La using C+++ language
	4 th Year	MATH -4203	Hydrodynamics
	MATH -4204 (Practical)	Hydrodynamics related project students supervise	
Post Graduate student Masters of Science	5 th Year	MATH 5101	Water waves Mechanics
		MATH-5204	Water waves Mechanics related master's thesis

(M. Sc. Thesis and General Group)		(Thesis work)	students supervise
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List of Publications:

1.	M. Ashikur Rahman, M. Al-Amin, Mst. Kamrunnaher , M. Abul Kawsera, Rajaul Haque, M. Ali Akbar, M. Nurul Islam, Mathematical analysis of some new adequate broad-ranging soliton solutions of nonlinear models through the recent technique <i>Partial Differential Equations in Applied Mathematics</i> 9, 10063, 2024 https://doi.org/10.1016/j.padiff.2024.100634
2.	Mst. Kamrunnaher , Md. Mozammal Hossain, and M. Mizanur Rahman Mathematical Approach on Numerical Modeling of Water Waves <i>Journal of Applied Science and Technology</i> , Vol. 12, No 1, 15-26, 2018
3.	M. Mizanur Rahman, M. Akher Chowdhury, Mst. Kamrunnaher , M. Asaduzzaman The Finite Element Method for finding the Numerical Solutions of the two Dimensional Laplace Equation with Dirichlet Boundary conditions <i>Journal of Applied Science and Technology</i> , Vol. 12, No 1, 1-5, 2018
4.	M. Mizanur Rahman, Atindrila Bagchi, Mst. Kamrunnaher A comparative study of the Homotopy Perturbation, Variational Iteration and General Variational Iteration Methods for the Mathematical Pendulum <i>Journal of Applied Science and Technology</i> , Vol. 12, No 1, 6-14, 2018
5.	M. Abul Kawser, Md. Mahafuzur Rahman, Mst. Kamrunnaher Analytical Solutions of Fourth Order Critically Undamped Oscillatory Nonlinear Systems with Pair wise Equal Imaginary Eigen Values <i>Applied Mathematics, Scientific Academic Publication</i> , 06 (3), 48-55, 2016
6.	Mst. Kamrunnaher , Md. Abdul Mohit, Md. Shariful Islm, and Md. Towhoiduzzaman Derivation of Continuity Equation and Its Applications <i>Journal of Applied Science and Technology</i> , 09(1), 129-133, 2013
7.	Md. Abdul Mohit, Mst. Kamrunnaher , A. H. M. Rashedunnabi and Al-Amin Tide Height Calculation in the Coastal Belt of Bangladesh by Using Nesting Surge Model, <i>Journal of Applied Science and Technology</i> , 09(1), 134-142, 2013 , ISSN 2218-841X
8.	Azizur Rahman, Mst. Kamrunnaher , and M. A. Hoque An Extension of Fuhrboter's Studies for Wave Height: A Theoretical Study <i>Journal of Bangladesh Academic of Sciences</i> , 34(2), 115-122, 2010
9.	Mst. Kamrunnaher , and M. A. Hoque The Influence of Surface Tension, Coriolis Force and Stratified Fluid on Internal Waves <i>Journal of Applied Science and Technology</i> , 07(1), 111-117, 2010
10.	Mst. Kamrunnaher , M. A. Hoque, Md. Mizanur Rahman and S. M. Mostafa Kamal A Preliminary Study on the Water Wave Formation and Their Anatomy <i>Journal of Applied Science and Technology</i> , 05(02), 113-119, 2008
11.	S. M. Mostafa Kamal, Md. Mizanur Rahman, Mst. Kamrunnaher , and Md. Abdul Malek Monwar Hossain, The Computation of Pi (π) Throughout Ages: A Historical Approach <i>Journal of Applied Science and Technology</i> , 03(02), 21-29, 2003
12.	S.M. Mostafa Kamal, Mst. Kamrunnaher and Dr.Md. Aynul Islam The Demographic Components of Fertility Decline in Rural-Urban Areas of Bangladesh, A Decomposition Analysis, <i>Journal of Applied Science and Technology</i> , 03(02),75-82, 2003



Mst. Kamrunnaher
01.07.2026