**Curriculum Vitae**

Mehedy Hasan

Lecturer (Full Time) in Mathematics

Bangladesh University, Dhaka

B.Sc. in Mathematics

M.Sc. in Mathematics

Mathematics Department

Bangladesh University of Engineering and Technology (B.U.E.T.), Bangladesh

Phone: +88-01775002093

E-mail: mehedy.hasan@bu.edu.bd

**Research Interest**

Computational Fluid Dynamics, Numerical Analysis, Applied Mathematics

**Personal Information:**

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| Father’s Name | Abdul Hamid Akon |
| Mother’s Name | Najrana Pervin |
| Date of Birth | Aug 12, 1994 |
| Gender | Male |
| Home District | Pirojpur |
| Religion | Islam |
| Nationality | Bangladeshi |
| Residence Phone | 01718847179 |
| Blood Group | O+ |
| National ID. No. | 1495149773 |

**Educational Qualification**

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| **2022** | M.Sc. in Mathematics |
|  | Mathematics Department |
|  | Bangladesh University of Engineering and Technology, Dhaka |
|  | **CGPA: 3.92 (out of 4.00)** |
|  | **Thesis Topics:** **Two Dimensional Radiation and Mass Transfer Effects on Transient Free Convection Flow with Vertical Porous Plate** |

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| **2016** | B.Sc. in Mathematics |
|  | Mathematics Discipline |
|  | Khulna University, Khulna |
|  | **CGPA: 3.88 (out of 4.00)** |
|  | **Thesis Topics:** **Numerical Solution of Thermal Boundary Layer** |

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| **2011** | **Higher Secondary Certificate (H.S.C)** |
|  | Science |
|  | Govt. Sohrawardi College, Pirojpur |
|  | **GPA: 5.00 (out of 5.00)** |

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| **2009** | **Secondary School Certificate (S.S.C)** |
|  | Science |
|  | Pirojpur Govt. High School, Pirojpur |
|  | **GPA: 5.00 (out of 5.00)** |

**Research Experience**

**M.Sc. Researcher (April, 2018 – March, 2022)**

Mathematics Department

Bangladesh University of Engineering and Technology (B.U.E.T.), Bangladesh

**Research Topic: Two Dimensional Radiation and Mass Transfer Effects on Transient Free Convection Flow with Vertical Porous Plate**

**Supervisor:** Dr. Md. Zafar Iqbal Khan, Professor, Bangladesh University of Engineering and Technology (B.U.E.T.), Bangladesh.

**Major Responsibilities:** The main responsibilities are

* Working on research projects, doing computational analysis and assisting with and preparing paper drafts.
* Publishing experimental outcomes as research papers in the peer-reviewed journals and presenting results at international conferences.
* Collaborating with distinct national as well as international research teams.
* Developing scientifically and technically correct research protocols based on the best existing scientific methodologies.

**Teaching Experiences:**

Lecturer (Part-Time) in Mathematics Department, Bangladesh University, Dhaka (May, 2019-December, 2022)

Lecturer (Full Time) in Mathematics Department, Bangladesh University, Dhaka (January, 2023-Present)

**Publications List**

**Journal Articles**

1. **Hasan, M.**, Biswas, R., Ahmmed, S. F. and Shanchia, K., “One Dimensional Mass Transfer Effects on Transient Free Convection Flow with Vertical Porous Plate,” Advanced Science, Engineering and Medicine, Vol. 11 (12), pp. 1249-1260 (2019).



1. Biswas, R., **Hasan, M.**, Jewel Rana, B. M. and Ahmmed, S. F., “MHD Free Convection Maxwell Nanofluid Flow through an Exponentially Accelerated Vertical Surface in the Presence of Radiation,” 8th BSME International Conference on Thermal Engineering AIP Conf. Proc. 2121, 030007 (2019).
2. Biswas, R., **Hasan, M.**, Mondal, M., Shanchia, K., Bulbul, M. F. and Ahmmed, S. F., “A Numerical Superintendence with Stability Explorationof Casson Nanofluid Flow in the Effects of VariableThermal Conductivity and Radiation,” Advanced Science, Engineering and Medicine, Vol. 11, pp. 1-11 (2019).
3. Mondal, M., Biswas, R., **Hasan, M.**, Shanchia, K. and Ahmmed, S. F., “Numerical Investigation with Stability Convergence Analysis of Chemically Hydromagnetic Casson Nanofluid Flow in the Effects of Thermophoresis and Brownian Motion,” International Journal of Heat and Technology, Vol. 37(1), pp. 59-70 (2019).

**Computer Proficiency:**

1. System Software (Windows, DOS)
2. Microsoft Office (Microsoft word, Microsoft Excel, Microsoft Power Point, Microsoft Access, Microsoft Project, Microsoft Accounting)
3. SPSS
4. Fortran
5. Mat Lab
6. C Programming
7. Adobe Photoshop
8. Mysql

**Award and Achievements:**

1. Got universities scholarship in every 2 years
2. Achieved Dean Award on B.Sc. results

**Language Ability**

Bengali : Mother Language

English : Listening-6.5, Reading-6.5, Writing-6.0, Speaking-6.0 (IELTS, June, 2017)

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**References**

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| **1. Dr. Md. Zafar Iqbal Khan**  Professor  Mathematics Department,  BUET,  Dhaka – 1000, Bangladesh  Contact No:+8801914573949 | **2. Dr. Md. Mahmud Alam**  Professor  Mathematics Discipline,  Khulna University,  Khulna – 9208, Bangladesh  Contact No:+8801912982811  Email:alam\_mahmud2000@yahoo.com |

