

# Curriculum Vitae of Mahtab Uddin

Assistant Professor - Mathematics  
Institute of Natural Sciences  
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## Research Interest

My current research interests consist of modelling the systems and related topics of control theory, applications of numerical linear algebra, model-order reduction techniques, computational analysis of the behaviors of the systems arising from large-scale engineering applications, and statistical analysis of public health issues. My research involves computer-aided simulation tools to implement feasible algorithms for solving large-scale matrix equations in control system analysis and related applications.

## Associate Editor

[International Journal of Material and Mathematical Sciences](#)

## Peer Reviewer

- ❖ [Advances in Mathematical Physics](#)
- ❖ [Advances in Science, Technology and Engineering Systems Journal](#)
- ❖ [BOHR International Journal of Smart Computing and Information Technology](#)
- ❖ [Engineering, Technology & Applied Science Research](#)
- ❖ [European Journal of Pure and Applied Mathematics](#)
- ❖ [International Journal of Applied Power Engineering](#)
- ❖ [International Journal of Automation and Smart Technology](#)
- ❖ [Journal of Applied Mathematics](#)
- ❖ [Journal of Engineering Research and Sciences](#)
- ❖ [Punjab University Journal of Mathematics](#)
- ❖ [Texila International Journal of Academic Research](#)
- ❖ [The European Physical Journal Plus](#)

## Journal Paper

- 1) *Md. Shafiqul Islam, Md. Mamunur Roshid, **Mahtab Uddin**, and Ashek Ahmed*, “Modulation Instability and Dynamical Analysis of New Abundant Closed-Form Solutions of the Modified Korteweg–de Vries–Zakharov–Kuznetsov Model with Truncated M-Fractional Derivative”, *Journal of Applied Mathematics*, Volume 2024, Article ID 1754782, September 2024.
- 2) *Md. Mamunur Roshid, **Mahtab Uddin**, Mohammad Mobarak Hossain, and Harun-Or-Roshid*, “Investigation of rogue wave and dynamic solitary wave propagations of the

M-fractional (1+1)-dimensional longitudinal wave equation in a magnetic-electro-elastic circular rod”, Indian Journal of Physics, Volume 98, September 2024.

- 3) *Md. Mamunur Roshid, Mosfiqur Rahman, **Mahtab Uddin**, and Harun Or Roshid*, “Modulation Instability, Analytical, and Numerical Studies for Integrable Time Fractional Nonlinear Model through Two Explicit Methods”, *Advances in Mathematical Physics*, Volume 2024, Article ID 6420467, August 2024.
- 4) *Sayed Muntaha Ferdous, Syed Nur E Newaz, Shafayat Bin Shabbir Mugdha, and **Mahtab Uddin***, “Sentiment Analysis in the Age of Machine Learning: A Comprehensive Review”, *Statistics, Optimization & Information Computing*, Volume 12, August 2024.
- 5) *Shafayat Bin Shabbir Mugdha, Zahid Hossain Khan, **Mahtab Uddin**, and Ashek Ahmed*, “Accurate Prediction of Bangla Text Article Categorization by Utilizing Novel Bangla Stemmer”, *International Journal of Automation and Smart Technology*, Volume 14, Issue 1, July 2024.
- 6) *Mosammat Arifa Akter, Golam Mostafa, **Mahtab Uddin**, Md. Mamunur Roshid, and Harun-Or-Roshid*, “Simulation of optical wave propagation of perturbed nonlinear Schrodinger’s equation with truncated M-fractional derivative”, *Optical and Quantum Electronics*, Volume 56, June 2024.
- 7) *Shafayat Bin Shabbir Mugdha, Hridoy Das, **Mahtab Uddin**, Md. Easin Arafat, and Md. Mahfujul Islam*, “DeafTech Vision: A Visual Computer's Approach to Accessible Communication through Deep Learning-Driven ASL Analysis”, *Statistics, Optimization & Information Computing*, Volume 12, June 2024.
- 8) *Anuz Kumar Chakrabarty, Sonia Akter, **Mahtab Uddin**, Md. Mamunur Roshid, Alrazi Abdeljabbar, and Harun Or-Roshid*, “Modulation instability analysis, and characterize time-dependent variable coefficient solutions in electromagnetic transmission and biological field”, *Partial Differential Equations in Applied Mathematics*, Volume 11, June 2024.
- 9) ***Mahtab Uddin**, M. Monir Uddin, and Md. Abdul Hakim Khan*, “Memory-Efficient Interpolatory Projection Techniques for the Stabilization of Incompressible Navier-Stokes Flows”, *Contemporary Mathematics*, Volume 5, Issue 1, March 2024.
- 10) *Sakhawat Hossain, Md. Mamunur Roshid, **Mahtab Uddin**, Arifa Akter Ripa, and Harun-Or-Roshid*, “Abundant time-wavering solutions of a modified regularized long wave model using the EMSE technique”, *Partial Differential Equations in Applied Mathematics*, Volume 8, August 2023.
- 11) ***Mahtab Uddin** and Ashek Ahmed*, “Covid-19’s Economic and Healthcare Correlations to Leading Affected Countries: A Statistical Assessment”, *Texila International Journal of Public Health*, Volume 11, Issue 2, June 2023.
- 12) *Md. Mamunur Roshid, **Mahtab Uddin**, and Golam Mostafa*, “Dynamical structure of optical soliton solutions for M–fractional paraxial wave equation by using unified technique”, *Results in Physics*, Volume 51, Issue 5, June 2023.

- 13) **Mahtab Uddin**, *M. Monir Uddin, and Md. Abdul Hakim Khan*, “SVD-Krylov-based sparsity-preserving techniques to optimally stabilize the incompressible Navier–Stokes flows”, *International Journal of Dynamics and Control*, Volume 11, Issue 6, March 2023.
- 14) **Mahtab Uddin**, *Kazi Shawpnail, Shafayat Bin Shabbir Mugdha, and Ashek Ahmed*, “A Statistical Synopsis of COVID-19 Components and Descriptive Analysis of Their Socio-Economic and Healthcare Aspects in Bangladesh Perspective”, *Journal of Environmental and Public Health*, Volume 2023, Article ID 9738094, February 2023.
- 15) *Md. Toriqul Islam, Mahtab Uddin, M. Monir Uddin, Md. Abdul Hakim Khan, and Md. Tanzim Hossain*, “Sparsity-Preserving Two-Sided Iterative Algorithm for Riccati-Based Boundary Feedback Stabilization of the Incompressible Navier–Stokes Flow”, *Mathematical Problems in Engineering*, Volume 2022, Article ID 4435167, November 2022.
- 16) **Mahtab Uddin**, *Shafayat Bin Shabbir Mugdha, Tamanna Shermin, and Kawser Newaz Chowdhury*, “An Improved Epidemiological Model for the Underprivileged People in the Contemporary Pandemics”, *BioMed Research International*, Volume 2022, Article ID 7890821, October 2022.
- 17) *Selim Hussen, Mahtab Uddin, and Md. Rezaul Karim*, “An Efficient Computational Technique for the Analysis of Telegraph Equation”, *Journal of Engineering Advancements*, Volume 3, Issue 3, September 2022, pp.104-111.
- 18) *Shafayat Bin Shabbir Mugdha, Mahtab Uddin, and Md. Toriqul Islam*, “Extended Epidemiological Models for Weak Economic Region: Case Studies of the Spreading of COVID-19 in the South Asian Subcontinental Countries”, *BioMed Research International*, Volume 2021, Article ID 7787624, October 2021.
- 19) **Mahtab Uddin**, *M. Monir Uddin, and Md. Abdul Hakim Khan*, “Computationally Efficient Optimal Control for Unstable Power System Models”, *Mathematical Problems in Engineering*, Volume 2021, Article ID 8071869, October 2021.
- 20) **Mahtab Uddin**, *M. Monir Uddin, M. A. Hakim Khan, and Md. Tanzim Hossain*, “SVD-Krylov based Sparsity-preserving Techniques for Riccati-based Feedback Stabilization of Unstable Power System Models”, *Journal of Engineering Advancements*, Volume 2, Issue 3, August 2021, pp.125-131.
- 21) *Md. Motlubar Rahman, Mahtab Uddin, M. Monir Uddin, and Laek Sazzad Andallah*, “SVD-Krylov based techniques for structure-preserving reduced order modelling of second-order systems”, *Mathematical Modelling and Control*, Volume 1, Issue 2, June 2021, pp.79-89.
- 22) **Mahtab Uddin**, *M. Monir Uddin, and M. A. Hakim Khan*, “Effect of shift parameters in rational Krylov subspace method for solving Riccati equations arise from power system models”, *International Journal of Material and Mathematical Sciences*, Volume 3, Issue 2, April 2021, pp.43-49.
- 23) *Md. Motlubar Rahman, Mohammad Monir Uddin, Laek Sazzad Andallah, and Mahtab Uddin*, “Tangential interpolatory projections for a class of second-order index-1

descriptor systems and application to Mechatronics”, *Production Engineering Journal*, Volume 15, Issue 1, November 2020, pp.09-19.

- 24) *Sajid Ahmed, Zahid Hossain, **Mahtab Uddin**, Ghazaleh Taherzadeh, Alok Sharma, Swakkhar Shatabda, and Abdollah Dehzangi*, “Accurate prediction of RNA 5-hydroxymethylcytosine modification by utilizing novel position-specific gapped k-mer descriptors”, *Computational and Structural Biotechnology Journal*, Volume 18, November 2020, pp.3528-3538.
- 25) *Md. Motlubar Rahman, Mohammad Monir Uddin, Laek Sazzad Andallah, and **Mahtab Uddin***, “Interpolatory Projection Techniques for  $H_2$  Optimal Structure-Preserving Model Order Reduction of Second-Order Systems”, *Advances in Science, Technology and Engineering Systems Journal*, Volume 5, Issue 4, August 2020, pp.715-723.
- 26) *A. K. Azad, M. M. Rahman, Salma Parvin, **Mahtab Uddin**, and M. R. Islam*, “Effect of Joule parameter on MHD mixed convection in an open channel with semi-circular heater on the bottom wall”, *ARPN Journal of Engineering and Applied Sciences*, Volume 15, Issue 1, January 2020, pp.113-121.
- 27) ***Mahtab Uddin**, M. I. Adnan, and L. C. Das*, “An algorithm for index numbers using average weighted base”, *International Journal of Engineering Applied Sciences and Technology*, Volume 3, Issue 4, October 2018, pp.14-20.
- 28) ***Mahtab Uddin**, Mushfika Hossain, and Md. Rashedul Islam*, “Extrapolation formulae by parameterizations and their comparative analysis”, *The Electronic Journal of Mathematics and Technology*, Volume 11, Issue 1, February 2017, pp.50-57.
- 29) ***Mahtab Uddin***, “Five-point Predictor-Corrector formulae and their comparative analysis”, *International Journal of Innovation and Applied Studies*, Volume. 8, Issue. 1, September 2014, pp.195–203.
- 30) ***Mahtab Uddin** and M. A. Ullah*, “An approach to generalized extrapolation formula based on rate of changes (derivatives)”, *American International Journal of Research in Science, Technology, Engineering & Mathematics*, Volume 3, Issue 2, June-August 2013, pp.169-175.
- 31) ***Mahtab Uddin** and M. A. Ullah*, “A modified predictor-corrector formula for solving ordinary differential equation of first order and first degree”, *International organization of scientific research*, Volume 5, Issue 5, January-February 2013, pp.21-26.

## Conference Paper

- 1) *Md Habibur Rahman, A.S.M Mohiul Islam, Abdullah Ibnah Hasan, **Mahtab Uddin**, Ashek Ahmed, Asif Ahammad Miazee, Yamin Hossain*, “YOLOv8 Image Processing for Evaluation of Stability Algorithms Based on Neural Networks: A Sports Use Case”, 8<sup>th</sup> International Conference on Inventive Communication and Computational Technologies (ICICCT), Sree Sakthi Engineering College, Coimbatore, India, 14-15 June, 2024.
- 2) *Md Habibur Rahman, **Mahtab Uddin**, Yamin Hossain, Nijam Uddin Sarkar, Md Aminul Islam, Nafees Siddique, Ashek Ahmed, and Shaikh Afnan Birahim*, “Optimal

Control Problem and Its Application in COVID-19 Transmission Dynamics”, 3<sup>rd</sup> International Conference on Advanced Engineering, Technology and Applications (ICAETA), University of Catania, Italy, 24-25 May, 2024.

- 3) *Md. Habibur Rahman, Samar Das, Md. Abdullah, **Mahtab Uddin**, Md Aminul Islam, Yamin Hossain, and Abdullah Hafez Nur*, “Improving Sports Categorization in WiFi-Blocked Areas: Modifying YOLO Network for All-Inclusive Sports Image Identification”, 4<sup>th</sup> International Conference on Machine Learning, IoT and Big Data (ICMIB), Department of Computer Science and Engineering, GIET University, Gunupur, India, 29-31 March, 2024.
- 4) *Md. Habibur Rahman, Samar Das, **Mahtab Uddin**, and Yeasin Reza*, “Using the YOLO Network's Games Object to Classify Sports”, 26<sup>th</sup> International Conference of Computer and Information Technology (ICCIT), IEEE Bangladesh Section, Cox’s Bazar, Bangladesh, 13-15 December 2023. Published in IEEE Xplore, Article ID 10441418.
- 5) ***Mahtab Uddin**, Md. Toriqul Islam, M. Monir Uddin, and Md. Abdul Hakim Khan*, “Riccati-based feedback stabilization of incompressible Navier-Stokes models via reduced-order modelling by iterative rational Krylov algorithm”, 25<sup>th</sup> International Conference of Computer and Information Technology (ICCIT), IEEE Bangladesh Section, Cox’s Bazar, Bangladesh, 17-19 December 2022. Published in IEEE Xplore, Article ID 10054649.
- 6) ***Mahtab Uddin**, M. A. Hakim Khan, and M. Monir Uddin, and Md. Motlubar Rahman*, “Interpolatory projection technique for Riccati-based feedback stabilization of index-1 descriptor systems”, International Conference on Recent Innovations in Engineering and Technology (ICRIET), Department of Electronics and Communication Engineering, Nandha Engineering College, Erode, Tamil Nadu, INDIA, 04-05 December 2020. Published in IOP Conference Series: Materials Science and Engineering, Volume 1070, Article ID 012022.
- 7) *Md. Wakil Ahmad, Md. Easin Arafat, S. M. Shovan, **Mahtab Uddin**, Omar Faruq Osama, and Swakkhar Shatabda*. “Enhanced Prediction of Lysine Propionylation Sites using Bi-peptide Evolutionary Features Resolving Data Imbalance”, IEEE Region 10 Symposium (TenSymp), IEEE Bangladesh Section, Dhaka, Bangladesh, 05-07 June 2020. Published in IEEE Xplore, Article ID 9230456.
- 8) ***Mahtab Uddin**, M. A. Hakim Khan, and M. Monir Uddin*, “Efficient computation of Riccati-based optimal control for power system models”, 22<sup>nd</sup> International Conference of Computer and Information Technology (ICCIT), Department of Electrical and Electronic Engineering, Southeast University, Dhaka, Bangladesh, 18-20 December 2019. Published in IEEE Xplore, Article ID 9033488.
- 9) ***Mahtab Uddin**, M. A. Hakim Khan, and M. Monir Uddin*, “Riccati based optimal control for linear quadratic regulator problems”, 5<sup>th</sup> International Conference on Advances in Electrical Engineering (ICAEE), Department of Electrical and Electronic Engineering, Independent University Bangladesh, Dhaka, Bangladesh, 26-28 September 2019. Published in IEEE Xplore, Article ID 8966522.

## Conference Presentation (Extended Abstract)

- 1) **Mahtab Uddin**, *M. Monir Uddin, and Md. Abdul Hakim Khan*, “Structure-preserving SVD-Krylov approach for reduced-order modelling of second-order index-1 descriptor systems”, 1<sup>st</sup> National Conference on Advances in Science and Technology (NCAT), Faculty of Science, BUET, Dhaka, Bangladesh, 07-08 December 2023.
- 2) **Mahtab Uddin**, *M. Monir Uddin, and Md. Abdul Hakim Khan*, “A frequency-restricted approach for reduced-order modelling of second-order linear time-invariant systems through the two-sided iterative algorithm”, A F Mujibur Rahman-Bangladesh Mathematical Society National Mathematics Conference, Department of Mathematics, Jahangirnagar University, Savar, Bangladesh, 13-14 January 2023.
- 3) **Mahtab Uddin**, *Md. Toriqul Islam, and Ashek Ahmed*, “A statistical analysis of dominant countries on the Covid-19 components along with their economic and healthcare affairs”, A F Mujibur Rahman-Bangladesh Mathematical Society National Mathematics Conference, 13-14 January 2023.
- 4) **Mahtab Uddin**, *M. Monir Uddin, and Md. Abdul Hakim Khan*, “Structure-preserving two-sided iterative algorithm for reduced-order modelling of second-order linear time-invariant systems”, 1<sup>st</sup> International Conference on Frontier in Sciences (ICFS), Faculty of Science, BUET, Dhaka, Bangladesh, 11-12 November 2022.
- 5) *Md. Toriqul Islam, Mahtab Uddin, M. Monir Uddin, and Md. Abdul Hakim Khan*, “Sparsity-preserving Krylov subspace-based techniques for Riccati-based feedback stabilization of incompressible Navier-Stokes models”, 1<sup>st</sup> International Conference on Frontier in Sciences (ICFS), Faculty of Science, BUET, Dhaka, Bangladesh, 11-12 November 2022.

## Participant

- 1) International Conference on 4th Industrial Revolution and Beyond, Bangabandhu International Convention Center, Dhaka, Bangladesh, 10-11 December 2021.
- 2) International Virtual Conference on Progress in Mathematics towards Industrial Applications, Department of Mathematics, SRM Institute of Science and Technology, Chennai, India, 29-30 October 2021.
- 3) International Conference on 2nd IBRO-APRC Bangladesh Associate School of Neuroscience: Fundamental of Neuroscience, Neural Disorders and Neural Engineering, United International University, Dhaka, Bangladesh, 04-08 December 2019.

## Project

- 1) Title: Computation of Optimal Control for Differential-Algebraic Equations (DAE) with Engineering Applications. This project is funded by Institute of the Advanced Research, United International University with reference to IAR/01/19/SE/18. It started on 01 October 2019 and completed on 19 October 2021.

## **Educational Qualification**

### **Doctorate of Philosophy:**

Institution : Bangladesh University of Engineering & Technology  
Department : Mathematics  
Year of Passing : Continuing  
CGPA : 3.83 (Out of 4.00)

### **Masters of Philosophy:**

Institution : Bangladesh University of Engineering & Technology  
Department : Mathematics  
Year of Passing : 2020  
CGPA : 3.81 (Out of 4.00) [Gold Medallist]  
Thesis Title : Numerical Study on Continuous-time Algebraic Riccati Equations arising from Large-Scale Sparse Descriptor Systems

### **Masters of Science:**

Institution : University of Chittagong  
Department : Mathematics (Pure Branch)  
Year of Passing : 2009 (Held in 2010-11)  
GPA : 3.96 (Out of 4.00)  
Thesis Title : Study on Different Numerical Methods for Solving Differential Equations

### **Bachelor of Science (Honors):**

Institution : University of Chittagong  
Department : Mathematics (Pure Branch)  
Year of Passing : 2008 (Held 2009-10)  
CGPA : 3.86 (Out of 4.00)

### **Higher Secondary Certificate Examination (H.S.C):**

Institution : Noakhali Government College  
Group : Science  
Year of Passing : 2004  
Board : Comilla  
GPA : 4.10 (Out of 5.00)

### **Secondary School Certificate Examination (S.S.C):**

Institution : Muslimabad High School  
Group : Science  
Year of Passing : 2002  
Board : Comilla  
GPA : 3.63 (Out of 5.00)

## **Language Proficiency**

I have secured an IELTS band score of 6.5

## **Award**

- 1) Gold medallist in A F Mujibur Rahman Gold Medel Award for Excellence in Mathematics for highest CGPA in the M.Phil. program from Department of Mathematics, Bangladesh University of Engineering and Technology, 2020-2021.
- 2) Best organizer in 2nd IBRO-APRC, 2019.

## Computer Skill

C, C<sup>++</sup>, COMSOL Multiphysics, Fortran, Latex, Mathematica, MATLAB, Python, and Tecplot.

## Institutional Activity

- 1) Moderator of “*UIU Model United Nations Club*” from 1<sup>st</sup> April 2024 to date.
- 2) TPC chair of the “*Workshop on International Conference on Bangabandhu and Digital Bangladesh-2023*” at “United International University, Dhaka, Bangladesh” on 28<sup>th</sup> August 2023.
- 3) Member of the executive committee of the “*UIU annual sports-2023*” during 4<sup>th</sup>-6<sup>th</sup> February 2023.
- 4) Organizing member of the “*2<sup>nd</sup> International Conference on Advanced Information and Communication Technology-2020*” at “United International University, Dhaka, Bangladesh” during 28<sup>th</sup>-29<sup>th</sup> November 2020.
- 5) Secretariat of the “*2<sup>nd</sup> IBRO-APRC Bangladesh Associate School of Neuroscience: Fundamental of Neuroscience, Neural Disorders and Neural Engineering-2019*” at “United International University, Dhaka, Bangladesh” during 04<sup>th</sup>-08<sup>th</sup> December 2019.
- 6) Manager of the United International University cricket team of the “*12<sup>th</sup> ULAB Fair Play Cup 2019*” at University of Liberal Arts Bangladesh, Dhaka, Bangladesh” during 12<sup>th</sup>-22<sup>nd</sup> March 2019.
- 7) Organizing member of the “*1<sup>st</sup> IBRO-APRC Bangladesh Associate School of Neuroscience: Translational Neuroscience and Research-2017 & Brain Symposium-2017*” at “United International University, Dhaka, Bangladesh” during 23<sup>rd</sup>-27<sup>th</sup> September 2017.
- 8) Organizing member of the “*International Conference on Medical Engineering, Health Informatics and Technology-2016*” at “United International University, Dhaka, Bangladesh” during 17<sup>th</sup>-18<sup>th</sup> December 2016.

## Departmental Activity

- 1) Member of the “*Question Moderation*” committee.
- 2) Member of the “*Curriculum and Syllabus Revision*” committee.
- 3) Member of the team selection committee for “*National Undergraduate Mathematics Olympiad*”.

## Training

- 1) Workshop on “*Outcome-Based Education*”, held on August 14, 2023, at United International University, Dhaka, Bangladesh.
- 2) Seminar on “*Investigating Complex Engineering Problems and Activities in the light of OBE*”, held on August 29, 2022, at United International University, Dhaka, Bangladesh.



- 3) A faculty development program “*Master Class Spoken English Course*”, held from February 13, 2021, to April 11, 2021, at United International University, Dhaka, Bangladesh.
- 4) International workshop on “*Computer Vision and Application*”, held on December 19, 2019, at South-East University, Dhaka, Bangladesh.
- 5) Workshop on “*Active Learning: Some Determinants*”, held on July 27, 2017, at United International University, Dhaka, Bangladesh.
- 6) Seminar on “*Cracking a Design Problem*”, held on February 11, 2017, at United International University, Dhaka, Bangladesh.
- 7) Seminar on “*Technology-Enabled Learning for 21st Century Learners: Opportunities, Challenges, and Strategies*”, held on 3<sup>rd</sup> December 2016 at United International University, Dhaka, Bangladesh.
- 8) Workshop on “*Assessment Strategies*”, held on 2<sup>nd</sup> April 2016 at United International University, Dhaka, Bangladesh.
- 9) A faculty development program “*Centre for Excellence*”, held from April 27, 2013, to May 04, 2013, at Stamford University Bangladesh, Dhaka, Bangladesh.

## **Experience**

- 1) Assistant Professor in Mathematics, Institute of Natural Sciences, United International University, from June 09, 2018, to date.
- 2) Lecturer in Mathematics, Institute of Natural Sciences, United International University, from November 13, 2013, to June 8, 2018.
- 3) Lecturer in Mathematics (Part-time), Institute of Natural Sciences, United International University, from October 23, 2013, to November 12, 2013.
- 4) Lecturer in Mathematics, Department of Natural Sciences, Stamford University Bangladesh, from April 17, 2013, to October 22, 2013.

## **Personal Information**

Father's Name : Shahid Uddin  
 Mother's Name : Mahbuba Akhter  
 Date of Birth : 23 December, 1986  
 Nationality : Bangladeshi (by birth)  
 Marital Status : Married  
 Spouse's Name : Sungeda Shobnom  
 National ID No. : 19861518638282930  
 Birth Certificate No. : 19865114340104823  
 Passport No. : EE0200907  
 Religion : Islam  
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## Emergency Contact & Address

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## Referees

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### 3) Dr. Mohammed Aman Ullah


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### 4) Dr. Mohammad Monir Uddin

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(Mahtab Uddin)

(My signature certifies that all information presented is complete and correct to the best of my knowledge)