

CURRICULUM VITAE

Samen Bairagi

Assistant Professor in Mathematics at University of Asia Pacific

Masters of Science in Applied Mathematics

Bachelor of Science in Mathematics

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Basic Science and Humanities Department, University of Asia Pacific,
155, Green Road, Farmgate, Dhaka-1205

Sex Male | Date of birth 15/12/1995 | Nationality Bangladeshi



Objectives:

To pursue a challenging career in dynamic country-based as well as international organization or academic institutions for making the best use of my technical expertise and qualities. To be expert in numerical and analytical solutions for optimization problems in different prospect, which are relevant to business, industry and banking sector in a research based on career; hence to acquire and supply advance knowledge in a particular field "Operations Research". Where I can expose and utilize the best of my skill and ideas. At the same time to develop my potential and skills yet further through contributing in greater extent for concerned organization.

Educational Qualifications:

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| 1. Title of qualification awarded | : Masters of Science (M.Sc.) in Applied Mathematics (Thesis) , 2020 |
| • Dates (from-to) | : July, 2019 -December, 2020 |
| • Result | : CGPA-4.00 in Scale of 4.00 |
| • Merit Position | :1 st |
| • Name and type of organization | : Mathematics Discipline, Science Engineering & Technology, Khulna University (www.ku.ac.bd), Khulna-9208, Bangladesh. |
| • Award | : President Gold Medel
A. F. Mujibur Rahman Gold Medel |
| 2. Title of qualification awarded | : Bachelor of Science (Honors) in Mathematics, 2018 |
| • Dates (from-to) | :September, 2013 -April, 2018 |
| • Obtained Result | :CGPA-3.87 in Scale of 4.00 |
| • Merit Position | :1 st |
| • Name and type of organization | : Mathematics Discipline, Science Engineering & Technology, Khulna University (www.ku.ac.bd), Khulna-9208, Bangladesh. |
| • Award | : President Gold Medel
F. Mujibur Rahman Gold Medel |
| 3. Title of qualification awarded | : Higher Secondary Certificate (H.S.C.) Examination, 2012 |
| • Dates (from-to) | : -July, 2012 |
| • Obtained Result | : GPA-5.00 on Scale of 5.00 |
| • Board | : Dhaka |
| • Name and type of organization | : Science, Lal Mia City College (6752), Gopalganj, Dhaka, Bangladesh. |
| 4. Title of qualification awarded | : Secondary School Certificate (S.S.C.) Examination, 2010 |
| • Dates (from-to) | : -May, 2010 |
| • Obtained Result | : GPA-5.00 on Scale of 5.00 |
| • Board | : Jessore |
| • Name and type of organization | : Science, Kachuria Bazar H. S. M. M. Secondary School , Bagerhat, Bangladesh. |

Experience

- Organization: Univesity of Asia Pacific
Department: Basic Sciences and Humanities
Post: Assistant Professor in Mathematics
Joining Date:13-01-2025
Duration: 13-01-2025 to till now
- Organization: Univesity of Asia Pacific
Department: Basic Sciences and Humanities
Post: Lecturer in Mathematics
Joining Date:07-07-2021
Duration: 07-07-2021 to 12-01-2025

Award and Scholarship:

1. The A F Mujibur Rahman Foundation Gold Medal Award

For securing 1st position with a CGPA 4.00 in honors (M. Sc. In Applied Mathematics) final result.
Date: 19-06-2021

2. The A F Mujibur Rahman Foundation Gold Medal Award

For securing 1st position with a CGPA 3.87 in honors (B. Sc. in Mathematics) final result.
Date: 24-09-2019

3. National Science and Technology Fellowship 2019-2020

For an innovative research work in the field of physical science named “ Optimizing the Hotel Management System with Marketing Segments”.
Date: 23-01-2020

4. Khulna University Academic Merit Scholarship-2019

For securing 1st position with a CGPA 3.87 in honors (B. Sc. in Mathematics) final result.
Date: 27-06-2019

5. Undergraduate University Merit Scholarship

In every semester for Excellency in result
Date: 2014-2018

Research Interest:

- Operations Research
- Game Theory
- Optimization
- Decision Theory
- Linear and Non-linear Programming

Computer Skill And Competent:

- **Operating System-** Have Expert Knowledge in MS Window 2007-2010.
- **Document Application-** Microsoft Office, Power Point, Excel, Database Management, SPSS.
- **Internet Applications-** Expert in browsing and e-mail applications.
- **Others-** Mat-lab, Mathematica-7, FORTRAN, C-Programming, Tec plot.

Personal Skill and Competencies Language:

- **Bengali-** Mother Tongue (s)
- **English-** 2nd Language
Understanding: Proficient User
Speaking: Proficient User
Writing: Proficient User

Medium Instruction of Previous Tertiary:

- **B.Sc. in Mathematics-** All assessments (Class, examinations, class test, assignment, research project etc.) were conducted in English.
- **M.Sc. in Applied Mathematics-** All assessments (Class, examinations, class test, assignment, research project etc.) were conducted in English.

Social Skills and Competences:

- Advisor of UAP Indoor Games Club
- Assistant advisor of UAP Indoor Games Club.
- Committee member of IQAC at University of Asia Pacific.
- Presented my research paper in “1st International Conference on Industrial and Mechanical Engineering and Operations Managements (IMEOM)” organized by IEOM Society Dhaka, Bangladesh.
- Debater of Mathematics Discipline, Khulna University.
- Advisor of “Khulna University Math Club” Khulna.
- Joint Secretary of IEOM Society (2017-2018) Khulna University.
- Vice President of IEOM Society (2018-2019) Khulna University.
- Class representative (CR) of “Mathematics Discipline” 13th batch (2014-2017).
- Organized the 7 days Bangladesh tour of Mathematics Discipline, Khulna University in the year 2015.
- Worked as a committee member of Mathematics National Seminar in Khulna University Campus.
- Worked as an active committee member of “20 Years Celebration & 4th Reunion 2019” organized by Mathematics Discipline, Khulna University.

Achievements:

- Presenter certificate of “**21st International Mathematics Conference 2019**” organized by Bangladesh Mathematical Society at Department of Applied Mathematics University of Dhaka, Bangladesh on 06-08 December, 2019.
- Participation certificate in the National Workshop “**Application of Mathematics in Different Fields**” organized by Department of Mathematics Khulna University of Engineering & Technology (KUET) with Bangladesh Mathematical Society at KUET, Khulna, Bangladesh on 20 December, 2019.
- Certificate of best research paper award ‘*Optimizing the Hotel Management with Marketing Segments*’ in “**2nd International Conference on IMEOM-2019**” organized by IEOM Society at BIM, Dhaka, Bangladesh on 12-13 December.
- Presenter certificate of research paper ‘*Optimization Analysis in Cloud Computing*’ in “**International Conference on IMEOM-2017**” organized by IEOM Society at Institutions of Engineers Bangladesh (IEB), Dhaka, Bangladesh on 23-24 December, 2017.
- Presenter certificate of ‘*Student Talk for IEOM-2019*’ in “**2nd International Conference on IMEOM-2019**” organized by IEOM Society at BIM, Dhaka, Bangladesh on 12-13 December.
- Runner up certificate of ‘*Student Talk for IEOM-2019*’ in “**2nd International Conference on IMEOM-2019**” organized by IEOM Society at BIM, Dhaka, Bangladesh on 12-13 December.
- Achievement certificate of “**7th National Undergraduate Mathematics Olympiad 2015**” in Khulna Region.

Hobby and Activities:

- Traveling, Reading Books, Listening Music, Singing, Watching Cricket and Movies.

Research Work:

Publication

- **Samen Bairagi**, Munnujahan Ara, Anuva Afsana and Mahrana Kader, “Introducing Slack and Surplus Variable on Lagrangian Objective Function with Penalty in Optimization Problems”, Journal of Philanthropy and Marketing, ESTM Research Publications, Volume-3, Issue-1(2023), ISSN: 2691-1361 (<https://journalofphilanthropyandmarketing.com/articles/Abstract-299.php>)
- **Samen Bairagi**, Munnujahan Ara and Sanjit Kumar Paul, “Optimize Future Cloud Computing Service System” Journal of Science & Technology, Publisher: The law brigade, Volume-2, Issue-5, ISSN: 2582-6921 (<https://jst.thelawbrigade.com/publications/volume-2-issue-5-dec-2021/>).
- Anuva Afsana, **Samen Bairagi**, Mahrana Kader, “A Cointegrated Panel Approach with Economic Growth, Energy Consumption and Environmental Kuznets Curve in South Asia” Journal of Namibian Studies, ESTM Research Publications, Volume-33(2023): 82-93, Special Issue on Multidisciplinary Research, ISSN: 2197-5523 (<https://namibian-studies.com/index.php/JNS/article/view/4354>).
- Munnujahan Ara, Mahir Foysal , Md. Azmol Huda , **Samen Bairagi**,” A MODEL TO DEVELOP HOTEL MANAGEMENT SYSTEM TO OPTIMIZE REVENUE” Khulna University Studies, Volume 19 (2): xxx : 2022 (<https://doi.org/10.53808/KUS.2022.19.02.2116-se>).

Conference Papers

- Optimizing the Hotel Management System with Marketing Segments
Samen Bairagi, Prof. Dr. Munnujahan Ara
2nd International Conference on Industrial & Mechanical Engineering and Operations Management (IMEOM)
Organized by: Production Management Division, Bangladesh Institute of Management (BIM), IEOM Society of Bangladesh (12-13 December, 2019)
Bangladesh Institute of Management (BIM), Dhaka, Bangladesh.
- Optimize the Hotel Revenue with Demand Prediction
Samen Bairagi, Prof. Dr. Munnujahan Ara
21st International Mathematics Conference (2019)
Organized by: Department of Applied Mathematics, Dhaka University (06-08 December, 2019)
Dhaka University, Dhaka, Bangladesh.
- Optimization Analysis in Cloud Computing
Samen Bairagi, Prof. Dr. Munnujahan Ara
1st International Conference on Industrial & Mechanical Engineering and Operations Management (IMEOM)
Organized by: IEOM Society of Bangladesh (23-24 December, 2017)
Institution of Engineers Bangladesh (IEB), Dhaka, Bangladesh.

Note: All of these conferences certificates are attached with other documents.

Thesis Work

M.Sc. Thesis: Optimizing the Hotel Management System with Marketing Segments

B.Sc. Project Thesis: Optimization Analysis in Cloud Computing

IEERD Project of UAP

- Optimizing Rohingya Issue Based on Game Theory (Working on this project right now)

Personal Information:

Father's Name: Shishir Kumar Bairagi
Mother's Name: Manju Rani Bairagi

National ID Number: 2843543949
Marital Status: Single
Religious: Hindu
Permanent Address: C/O: Shishir Kumar Bairagi, Village: Jhutesari, Post-Office: Kotalia-9380,
Mollahat, Bagherhat

References:

Prof. Dr. Munnujahan Ara

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Prof. Dr. Abdul Alim

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