

# MD. FIROZ HOSSAIN

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## Work Experience

- 2024, 30 June – **Planning Officer**, Planning and Evaluation Department, Headquarter, Bangladesh Rice Research Institute (BRRI), Gazipur -1701
- 2024 – 2024 **Lecturer in Economics**, American International University - Bangladesh (AIUB)
- 2018 – 2024 **Senior Lecturer**, Udvash-Unmesh Academic and Admission Coaching
- 2021 – 2022 **Vice-President**, Economics Career Alliance (ECA)
- 2020 – 2021 **President**, Salimullah Muslim Hall Quiz Club (SMQC)
- 2018 – 2020 **Member**, Salimullah Muslim Hall Debating Club (SMDC)
- 2016 – 2017 **Leader**, Bogura Cantonment Public School and College (BCPSC) Quiz Society

## Education

- January 2023 – December 2023 **Department of Economics, University of Dhaka.**  
**Master of Social Science (MSS) in Economics**  
CGPA: 3.88 out of 4.00 | Passing Year: 2022  
Exam Held in: October, 2023
- January 2018 – December 2022 **Department of Economics, University of Dhaka**  
**Bachelor of Social Science (BSS) in Economics**  
CGPA: 3.71 out of 4.00 | Passing Year: 2021  
Exam Held in: November, 2022
- April 2015 – April 2017 **Bogura Cantonment Public School and College**  
**Higher Secondary Certificate(HSC) -Humanities Group**  
GPA: 5.00 out of 5.00 | Passing Year: 2017
- January 2013 – February 2015 **Lontala High School, Gobindaganj**  
**Secondary School Certificate (SSC) - Humanities Group**  
GPA: 5.00 out of 5.00 | Passing Year: 2015

## Academic Courses

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Microeconomics	Corporate Finance
Macroeconomics	Mathematical Economics
Development Economics	Calculus and Linear Algebra
Public Economics	Dynamic optimization
International Trade	Basic Econometrics
Monetary Economics	Cross-Sectional Econometrics
Environmental Economics	Time-Series Econometrics
Monograph	Panel Data and Non-Linear Econometrics

## Awards and Achievements

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- 2024  **First Class** , Obtained Master's Degree in Economics with a CGPA of 3.88 from the Department of Economics, University of Dhaka.
- 2023  **First Class** , Obtained Bachelor's Degree in Economics with a CGPA of 3.71 from the Department of Economics, University of Dhaka.
- 2022  **Governor Scholarship for Outstanding Academic Performance** sponsored by Standard Chartered Bank.
- 2020  **Champion** 3rd Bangladesh Economics Summit 2020 Quiz Organized by Economics Study Center (ESC).
- 2019  **Champion** Bangabandhu Memorial Quiz Competition Organized by Salimullah Muslim Hall Quiz Club.
- 2018  **Champion** Fresher Quiz Contest Organized by Dhaka University Quiz Society(DUQS).
- 2017  **Top Rankings** Secured **3rd** Position in D-unit and **12th** in B-Unit at the Admission Test of the University of Dhaka and **1st** Position in E-Unit at the Admission Test of the Rajshahi University.  
 **Best of the Best Student** I was selected as " Best of The Best" Student among 2400 students of our college for an NTV Program called " Tiffiner Fanke".
- 2016  **Champion** General Knowledge Competition Champion of Inter Cantonment Public School and College.

## Research Experience

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### BSS Monograph

-  **Title of the Paper:** Effect of Economic Growth and Inflation on Unemployment: An Empirical Analysis in Bangladesh from 1991 to 2019

## Research Experience (continued)

- **Abstract:** This paper analyzes the effect of economic growth and inflation on unemployment, considering the time-series data period from 1991 to 2019 in the case of Bangladesh. The unemployment rate is increasing alarmingly, which can lead to instability, and it is a major challenge that policymakers must face. In this research monograph, the Augmented Dickey-Fuller Test (ADF) and Phillips Perron (PP) were applied to test the unit root of the variable. The Autoregressive Distributed Lag (ARDL) model, the Bounds test of cointegration, and the Error Correction Model (ECM) were used to look at the short-run and long-run relationship among the variables. The Granger Causality test was also used to determine whether there is a unidirectional or bidirectional cause-and-effect relationship among the variables. F-statistics is 9.89, which is greater than the upper bound  $I(0)$ , indicating a long-run relationship. In the long run, all variables significantly impact unemployment, but only economic growth has a significant effect in the short run. In addition, evidence suggests a unidirectional Granger causal relationship among the variables. The study's diagnostic results reveal that the model does not contain heteroscedasticity, autocorrelation, and multicollinearity; there is normality and stability, and the model was correctly specified.

## Training and Workshops

- 2022 ▪ **Training on Econometrics Applications**, Four-Day Crash Program on Econometrics Application Conducted by SANEM ( South Asian Network on Economic Modeling)
- 2020 ▪ **Workshop on Effective Communication and Presentations Skills**, Workshop on Effective Communication and Presentations Skills Conducted by ECA (Economics Career Alliance ) on the ECA Career Expo Event
- 2019 ▪ **Budget Olympiad**, Budget Olympiad organized by Democratic Budget Movement (DBM)
- 2018 ▪ **Advanced Certificate Course on Computer Applications**, Six-Months Duration Course on Computer Applications conducted by National Youth Development Training Centre (NYDTC)
- **Debate Workshop**, Debate Workshop organized by SMDC (Salimullah Muslim Hall Debating Club) on the ECA Career Expo Event

## Conference

- 2020 ▪ **5th SANEM Annual Economists' Conference (SAEC)**, I attended the 5th SANEM Annual Economists' Conference (SAEC) 2020 with the broad theme of "Institutions for Development" as a participant which was organized by SANEM ( South Asian Network on Economic Modeling )

## Skills

- Languages ▪ Strong Reading, Writing and Speaking competencies in Bengali and English.
- Software ▪ Stata, EViews,  $\text{\LaTeX}$ , R, MS Office ( Excel, PowerPoint, Word), ...
- Web Dev ▪ HTML, CSS, JavaScript, Bootstrap, Shopify Liquid, Shopify Theme Development.
- Misc. ▪ Academic research, Teaching, Training, Consultation,  $\text{\LaTeX}$  Typesetting.

## References

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University of Dhaka.

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