

A F M Shamsuzzaman

Present Address

Kazipara Main Road, Nandagarh
P.O.-Kazipara, Barasat
Dist-North 24 Parganas
Kolkata-700125, West Bengal

Mob: 9674229032
E-mail: shamsuzzaman86@gmail.com/
shamsuzzaman@rrrmahavidyalaya.edu.in

Current Position

Assistant Professor in the Department of Computer Science at Raja Rammohun Roy Mahavidyalaya (Affiliated to The University of Burdwan), Radhanagar, Hooghly

Research Interests

Bioinformatics, Computational Biology, Deep Learning, Soft Computing, Machine Learning

Academic Qualifications

Name of the Examination	Name of the Institution	Board/University	Year of Passing	Percentage of Marks
M.C.A.	Bengal Institute of Technology	West Bengal University of Technology	2011	82.00
B.Sc. Physics Honours	S.A. Jaipuria College	University of Calcutta	2008	53.63
Higher Secondary	Dakshin Chatra High School	West Bengal Council of Higher Secondary Education	2003	83.90
Madhyamik Pariksha	Dakshin Chatra High School	West Bengal Board of Secondary Education	2001	85.25

Achievements

- Qualified State Eligibility Test (SET) by The West Bengal College Service Commission in 2013

Publications

- AFM Shamsuzzaman, "A comparative study of various imputation methods for single cell RNA sequencing data", International Journal of Scientific Development and Research (IJSDR); Volume 6 Issue 8, pp.146-157, August-2021; <https://doi.org/10.5281/zenodo.11213745>
- AFM Shamsuzzaman, "Review of Clustering and Classification methods for Single-cell RNA-sequencing data", International Journal of Trend in Scientific Research and Development (IJTSRD); Volume 6 Issue 4, pp. 2349-2355 | May-June 2022

Teaching Area

B.Sc. Computer Science Major and Honours course of the following domains mainly:

Data Structures, Algorithms, Theory of Automata, Programming in C, Python Programming, Computer Networks, Microprocessor, Digital Circuit Design, Discrete Mathematics

**Seminars
Attended**

- ❖ One-day Workshop for “Reconstruction of syllabi (Semester with CBCS) of Computer Science (Hons. & Gen.)” on May 15, 2017 in the Department of Computer Science, The University of Burdwan
- ❖ One-day National Symposium on “Recent Trends in Computational Intelligence” on June 15, 2017 in the Department of Computer Science, University of Gour Banga
- ❖ One-day Awareness Workshop on “Swayam Moocs Teaching/ Learning in a Digital Age” on July 17, 2019 at Serampore Girls’ College, Hooghly
- ❖ Workshop on “Promotion under Career Advancement Scheme (CAS)” at Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly on July 19, 2019.
- ❖ National Seminar on “Application of Statistics in Natural Science” on 16-17th December, 2019 at St. Xavier’s College, Kolkata

**Presentations
Given**

- ❖ International Seminar on “Tools in Science” on June 25, 2022 at Aghorekamini Prakashchandra Mahavidyalaya, Bengai, Hooghly
- ❖ One day International Seminar on “Pollution and Biosafety: Issues & Concerns” on August 3, 2022 at Raja Rammohun Roy Mahavidyalaya, Radhanagar, Hooghly
- ❖ One day National Seminar on “Recent Trends in Mathematical and Computational Science” on December 2, 2022 at Raja Rammohun Roy Mahavidyalaya, Radhanagar, Hooghly

**Software
Projects**

- E-Post Office using J2EE in the front end and IBM DB2 in the back end

Supervisor: Sri Soumen Nandi, Assistant Professor, Department of MCA, Bengal Institute of Technology

- Railway Reservation System using Visual Basic (Front End) and Oracle (Back End)

Supervisor: Smt. Amrita Roy, Assistant Professor, Department of MCA, Bengal Institute of Technology

**Technical
Skills**

- Programming Languages: Python, R, MATLAB, C, C++, Core JAVA, Visual Basic, PL/SQL, PHP, UNIX Shell Scripting, Microprocessor 8085 Programming
- Operating Systems: LINUX (Ubuntu, Redhat, Fedora), Windows 11, Windows 10/7
- Servers: Apache Tomcat, Oracle, MySQL.

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