DR. NIZAMUDDIN AHAMED
Assistant Professor
M. Sc., Ph.D.
Email: nizamuddinahamed@tdbcollege.ac.in

Overview:

Nizamuddin Ahamed is presently working as an assistant professor in the department of mathematics, T. D. B College, Raniganj, Paschim Bardhaman, West Bengal. He has about 5 years of teaching experience. He completed his Ph.D. degree on the topic "THEORETICAL STUDY ON SOME NON-MONOTONOUS DISTRIBUTIONS IN TURBULENT FLOWS USING DIFFERENT ENTROPIES" from department of Mathematics, National Institute of Technology, Jamshedpur (NIT Jamshedpur). His field of research interests are application of entropy in turbulent and laminar flows.

Date of appointment to the present job: 29.06.2020

Other Academic/Administrative post:

1. Departmental Coordinator (20.03.2023-till date)

Academic background:

1. Madhyamik (2008) fromRampurhatJitendralalVidyabhaban.
2. H.S (2010) from RampurhatJitendralalVidyabhaban.
3. B.Sc Math (H) (2013) from Aliah University, Kolkata.
4. M.Sc Math (2015) from Aliah University, Kolkata.
5. B. Ed (2017) fromAliah University, Kolkata.
6. Ph.D Math (2024) fromNational Institute of Technology, Jamshedpur (NIT Jamshedpur).

Information about M.Phil/PhD etc.:

Title of Thesis: THEORETICAL STUDY ON SOME NON-MONOTONOUS DISTRIBUTIONS IN TURBULENT FLOWS USING DIFFERENT ENTROPIES.

Publications:

1. Ahamed, N. and Kundu, S. (2022) "Application of the fractional entropy for one dimensional velocity distribution with dip-phenomenon in open-channel turbulent flows", Stochastic environmental research and risk assessment, Vol. 36, pp. 1289-1312, doi-https://doi.org/10.1007/s00477-022-02210-5.

2. Ahamed, N. and Kundu, S. (2023) "A generalized approach to model non-monotonousdistributions using Renyi entropy theory with applications to velocity-dip-phenomenon and type-II suspension profile in turbulent flows", Journal of Hydrologic Engineering,Vol. 28(9), pp. 04023026:1-17, doi - https://doi.org/10.1061/JHYEFF.HEENG-5777.

3. Ahamed, N. and Kundu, S. (2023) "Fractional entropy based modeling of suspendedconcentration distribution of type-I and type-II and sediment discharge in pipe and open channel turbulent flows", Zeitschriftf urangewandteMathematikund Physik, Vol. 74(101), doi - https://doi.org/10.1007/s00033-023-01988-w.

4. Ahamed, N. and Kundu, S. (2024) "Fractional entropy-based models of onedimensionalvelocity distributions in partially filled and fully filled pipe flows",Stochastic environmental research and risk assessment, doi - https://doi.org/10.1007/s00477-024-02665-8.

5. Ahamed, N. and Kundu, S. "Fractional entropy-based models for S-type velocitydistributions in turbulent open-channel flows and turbulent Couetteflows",Stochastic environmental research and risk assessment, doi - https://doi.org/10.1007/s00477-024-02750y.

Seminars, Conferences, Webinars and Workshops attended: 02

Professional Courses:
• Orientation Programme/FDP/FIP: 01
• Refresher Course: 01

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