

Rounak Biswas | Curriculum Vitae

☎ +91 7478380442 • ✉ xyzrounak3@gmail.com, rbiswas.bsh@iiitbh.ac.in
ID 0009-0004-4751-839X • Ⓜ Qv10gTYAAAAJ

Personal Information

Name: Rounak Biswas

Gender: Male

Nationality: Indian

DOB: 19.05.1997

Work Experience

Indian Institute of Information Technology, Bhagalpur

Guest Faculty

Guest Faculty

Aug 2026–present

Indian Institute of Technology Palakkad

Research Associate

Supervisor: Dr. Srijan Sarkar

Research Associate

Dec 2025–June 2026

Education

National Institute of Technology Karnataka

Ph.D in Mathematics (8.8 CGPA)

Supervisor: Dr. Falguni Roy

Ph.D.

2020–2025

Ramakrishna Mission Vidyamandira

M.Sc in Mathematics (8.4 CGPA)

University of Calcutta

Masters of Science

2017–2019

Krishnagar Government College

B.Sc in Mathematics (71.8%)

University of Kalyani

Bachelor of Science (Hons)

2014–2017

Areas of interest

Functional analysis, operator theory, analytic function theory, generalized inverse.

Publications

Published Articles.....

2025: Rounak Biswas, Falguni Roy. "Equivalency of Drazin and g -Drazin invertibility of elements in a Banach algebra." Indian Journal of Pure and Applied Mathematics (2025).

2025: Rounak Biswas, Falguni Roy. "Comprehensive classification of the algebra generated by two idempotent matrices." Linear Algebra and its Applications, 705 (2025) 185-206.

2025: Rounak Biswas, Falguni Roy. "Additive Properties of the generalized and pseudo n -strong Drazin Inverse in Banach Algebras." Indian Journal of Pure and Applied Mathematics (2025): 56.3 (2025): 917-929.

2024: Rounak Biswas, Falguni Roy. "Drazin and group invertibility in algebras spanned by two idempotents." Linear Algebra and its Applications, 689 (2024) 155–175.

Preprints(Under review).....

○ **Rounak Biswas**, Falguni Roy, " Additive and multiplicative properties of Drazin inverse under new weakly commutativity condition".

- **Rounak Biswas**, Srijan Sarkar, “ Finite-Rank Commutators of projections onto shift-invariant subspaces”.

Conference talk

2023: Talk on “Additive Properties of the generalized and pseudo n-strong Drazin Inverse in Banach Algebras” at the International Conference on Linear Algebra and its Applications (ICLAA) organised by Centre for Advanced Research in Applied Mathematics Statistics (CARAMS), MAHE, Manipal, India

Awards

- Institute fellowship at NIT K in 2020.
- Awarded Gold Medal for securing 1st rank in M.Sc. at Ramakrishna Mission Vidyamandira.
- Cleared CSIR-NET in June 2019 (All India Rank: 34).
- Cleared GATE 2019.
- MCM Scholarship for MSc

Skills

Languages: LaTeX, Python, MATLAB

Languages

Bengali: Mother tongue

English: Fluent

Hindi: Fluent

References

Dr. Falguni Roy,

Assistant Professor,

Dept. of Mathematical and Computational Sciences,

NIT Karnataka, Karnataka-575025,

Email: royfalguni@nitk.edu.in, falguni.roy.92@gmail.com.

Dr. Srijan Sarkar,

Assistant Professor,

Department of Mathematics,

Indian Institute of Technology Palakkad,

Email: srijansarkar@gmail.com, srijans@iitpkd.ac.in.

Declaration

I hereby affirm that the information provided above is true and accurate.


02.09.2026