



ASSOCIATE PROFESSOR

DR.RAKHI DAS BAIN

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RESEARCH INTERESTS:

Optimization of Network, IoT

EXPERIENCE:

Academics: 10 Yrs

Industry: ---

EDUCATION:

Ph. D (RGU).

M. Tech (NITDGP).

B. Tech (MAKAUT).

Courses Taught:

DBMS, Operating Systems ,Compiler, Networking, Python, Automata,

Projects Handled:

Real-Time chat application using MERN

Blood Bank and Donor Management System

Doctor Appointment Booking System

Research Publications:

Das, R., Sahoo, L., Samanta, S., Simic, V., & Senapati, T. (2022). Identifying the shortest path of a semi-directed graph and its application. *Mathematics*, 10(24), 4807.

"Bi-Weighted Graph-Based Optimal Path Selection for a Network." International Journal of Scientific Research in Mathematical and Statistical Sciences, 10(4), pp 1-8. Sanoo, L. & Das, R. (2024).

"Shortest path of a random graph and its application." Journal of Graphic Era University (Revised version Communicated, River Publishers). Sanoo, L., Das, R., Samanta, S., Mostem, S. & Senapati, T. (2024).

"A Study of an Optimal Spanning Tree for a Weighted Bunch Graph." Heliyon (Communicated), Cell Press. Sahoo, L., Das, R., Samanta, S. (2024).

"A Study of an Optimal path selection for a weighted semi-directed graph." AIMS Mathematics (Communicated), AIMS Press.

Additional Responsibilities:

NBA, Technical Grooming Committee

Awards Obtained:

