PROFESSOR

DR. RATUL KUMAR MAJUMDAR

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RESEARCH INTERESTS:
Real time Data Management, Machine Learning, Bioinformatics.

EXPERIENCE:
Academics: 16 Yrs.
Industry: --- 1.5 yr

EDUCATION:
PhD (IIT BOMBAY).
M.Tech (IIT Dhanbad).
B.E (IIEST SHIBPORE).

Courses Taught:
Artificial Intelligence, Machine Learning, Pattern Recognition, Operating System, Cryptography and Network Security.

Projects Handled:
I. 2024-2025 MACHINE LEARNING
  1. Machine learning based Detection of Cardiovascular Disease using ECG signals.
  2. Face Recognition Systems.

II. 2023- 2024 Machine Learning
  1. Automatic Face mask detection using Deep learning Approach,
  2. Automatic Speech Recognition system using Machine learning

Research Publications:
1. Ratul kr. Majumdar, Krithi Ramamritham, Ming Xiong: Location Management in Mobile Environments. Encyclopedia of Database Systems (2nd ed.) 2018

2. Feedback Driven Dissemination of Dynamic Data: Towards Providing QoS Guarantees in Wide Area Networks. RK Majumdar, PQDT-Global

3. Ratul kr. Majumdar, Krithi Ramamritham, Ravi N. Banavar, Kannan M. Moudgalya: Disseminating Dynamic Data with QoS Guarantee in a Wide Area Network: A Practical Control Theoretic Approach. IEEE Real-Time and Embedded Technology and Applications Symposium 2004: 510-517

4. Ratul kr. Majumdar, Krithi Ramamritham, Ming Xiong: Exploiting User Mobility Patterns for Adaptive Location Management. IEEE Distributed Syst. Online 4(12) (2003)

5. Ratul kr. Majumdar, Krithi Ramamritham, Ming Xiong: Adaptive Location Management in Mobile Environments. Mobile Data Management 2003: 196-211

6. Ratul kr. Majumdar, Kannan M. Moudgalya, Krithi Ramamritham: Adaptive Coherency Maintenance Techniques for Time-Varying Data. RTSS 2003: 98-107

(ONLINE REFERENCE):
1. https://scholar.google.co.in/citations?user=SE1YO8sAAAAJ&hl=en
2.https://dblp.org/pid/47/1957.html

Additional Responsibilities:

Project Committee Coordinator, Dean (Academics), BOS Member, Departmental IQAC member.

Awards Obtained:

1. One Paper Received Honorable Mention In Mobile Data Management 2003, Melbourne Australia.
2. Research Fellowship At IIT BOMBAY In The Year 2002