



## ASSISTANT PROFESSOR

### PRASANNAROY

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#### RESEARCH INTERESTS:

Artificial Intelligence, Cyber Security, Networking

#### EXPERIENCE:

Academics: 7 YEARS

Industry: ---

#### EDUCATION:

M. Tech (CSE-MAKAUT), MCA (NIT-DURGAPUR),  
BCA (WBUT), B. Ed (BU), MBA (BU).

#### Courses Taught:

Object Oriented Programming, Programming for Problem Solving, Formal Language and Automata Theory, Python

**Projects Handled:** Machine Learning, Cryptography, Web Technology, Deep Learning

Web Technology - Online Trading Platform

Machine Learning - Medicine Recommendation System

Neural Network - Skin Disease Detection using CNN

Steganography - Efficient Image Steganography System for Secure Data Hiding

Web Development /AI - Student Attendance Management System

#### Research Publications:

Roy, P., Midya, S., & Majumder, K. (2016). Handoff schemes in vehicular ad-hoc network: a comparative study. In Intelligent Systems Technologies and Applications 2016 (pp. 421-432). Springer International Publishing.

Roy, P., & Antwi-Boasiako, E. (2018). A Decision Making Based Authentication Scheme in Cooperative Vehicular Ad-Hoc Network. In Mobile and Wireless Technologies 2017: ICMWT 2017 4 (pp. 213-222). Springer Singapore.

Roy, P., Midya, S., & Majumder, K. (2016). WiMAX Based Scanning Schemes in Vehicular Ad-Hoc Network: A Survey. In Smart Trends in Information Technology and Computer Communications: First International Conference, SmartCom 2016, Jaipur, India, August 6–7, 2016, Revised Selected Papers 1 (pp. 315-322). Springer Singapore.

Santra, P., Roy, P., Hazra, D., & Mahata, P. (2018). Fuzzy data mining-based framework for forensic analysis and evidence generation in cloud environment. In Ambient Communications and Computer Systems: RACCCS 2017 (pp. 119-129). Springer Singapore.

Roy, P., Santra, P., Hazra, D., & Mahata, P. (2017). A Cluster-Based Vehicular Ad-hoc Network Handoff Scheme Inspired by Ant Colony Optimization. IJCSE Volume: 5, Issue: 10, E-ISSN: 2347 2693

#### **Additional Responsibilities:**

NBA Team, Code Vision Convener, BOS Member, Digital Marketing Committee.

#### **Awards:**

University Bronze Medal 3<sup>rd</sup> Position in BCA, WBUT.

E-Raksha 2023 Winner in WordHack category jointly conducted by Cyber Peace and NCERT.

