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INFO

DEPARTMENT : BCA

DATE OF JOINING : 1ST JUNE 2006

NUMBER OF BOOK PUBLISH : 2

NUMBER OF JOURNAL PUBLISH : 23

NUMBER OF CONFERENCE : 2

EXPERIENCE

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EDUCATION

MCA, PH.D

List of Journals

1. **Lightweight Hybrid Chaotic Image Encryption With Spiral Shuffling and S-Box Diffusion.** Dey D., Bhunia P., Jana D.K., Diyasi S., & Maity S. *Security and Privacy*, 2025, 8(6), e70123. https://doi.org/10.1002/spy2.70123
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3. **A novel approach to steganography security using Langton's ant cellular automaton and hybrid chaotic map.** Dey D., Jana D.K., & Bhunia P. *SN Computer Science*, 2025, 6, 402. https://doi.org/10.1007/s42979-025-03881-x
4. **Enhancing blockchain transaction security: A hybrid machine learning approach for fraud detection.** Diyasi S., Ghosh A., & Dey D. *International Journal on Smart & Sustainable Intelligent Computing*, 2025, 2(1), 14–30. https://submissions.adroidjournals.com/index.php/ijssic/article/view/43
5. **Machine learning for predicting urine pH amount.** Bhunia P., Das Adhikary S., Maity S., Dey D., & Pal S. *International*

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10. **Automatic question generation: A comprehensive review.** Maity S., Pattanayak S., Dey D., & Mitra A. *IJIPAR*, 2023, 13(2).
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11. **Women safety device using Arduino.** Paul R., Das S., Manna S., Mukherjee A., & Dey D. *IJIPAR*, 2023, 13(2). (No link provided)
12. **Image steganography using Arnold transformation.** Pattanayak S., Samanta

S., Dey D., Sarkar A., & Bhattacharyya S. *IGI Global Ebooks (Book Chapter)*, 2023. https://doi.org/10.4018/978-1-6684-7524-9.ch012

13. **Challenges of network security and emerging trends.** Dey D., & Pattanayak S. *Gradiva Review Journal*, 2021, 7(12). https://drive.google.com/file/d/1Le1CILiRpiJ2bGijBwbejwI4sRu3ytPD/view
14. **CBC mode-based image encryption using Arnold transformation.** Dey D., Suresha P., & Mitra A. *IJRAR*, 2021, 8(4). http://dx.doi.org/10.2139/ssrn.4034314
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23. **Text encryption using extended Euclidean algorithm + LCG.** Pattanayak S., & Dey D. *IJDR*, 2016, 6(7). https://www.researchgate.net/publication/306344836_TEXT_ENCRYPTION_AND_DECRYPTION_WITH_EXTENDED_EUCLIDEAN_ALGORITHM_AND_COMBINING_THE_FEATURES_OF_LINEAR_CONGRUENCE_GENERATOR

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1. **Adaptive Mitigation of Zero-Day Vulnerabilities: The Case of Log4Shell Using TF-IDF and Random Forest Classifiers.** Diyasi S., Ghosh A., Dey D., Maity S., & Bhunia P. *Conference*, 2025. https://doi.org/10.6084/m9.figshare.30621902.v2
2. **Chaotic based image steganography using polygonal method.** Dey D., Pattanayak S., & Samanta S. *Springer Proceedings in Complexity (Conference)*, 2022. https://doi.org/10.1007/978-3-030-99792-2_47

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1. **Comparative Analysis of Steganographic Techniques for Data**

Hiding in Digital Images. Pattanayak S., Bose P., & Dey D. *Book Chapter*, 2025. https://doi.org/10.6084/m9.figshare.30621860.v1

2. **Chaotic image encryption schemes: Review.** Dey D., & Pattanayak S. *IJAIM*, 2021, 10(12).