

Name: Prof. Bhaskar Biswas
Designation: Assistant Professor
Branch: Computer Science & Engineering



Educational Qualification(s):

| Qualification(s) | University |
|------------------|--------------|
| B.Tech | NIT Agartala |
| M.Tech | NIT Agartala |
| P.Hd (Pursuing) | NIT Agartala |

Experience in years:

Academic: 6 years (Approx.)

Details:

| Sl. No. | Organization | Position Held | Duration | |
|---------|--------------------|-----------------------|--------------|--------------|
| | | | From | To |
| 1. | Tripura University | Faculty (On contract) | January 2016 | January 2022 |

Other Information:

a) Publication details.

Journals

1. Biswas, B., Pal, A. K., & Kar, N., A foreground content centric efficient surveillance video coding with adaptive gop model and singular value decomposition. **Cybernetics and Systems (SCIE)** (Under review).
2. Biswas, B., Pal, A. K., & Kar, N. A Novel SVD Framework for Surveillance Video Compression and Encryption using a Hybrid Chaotic Map with DNA Coding. **Digital Signal Processing(SCIE)** (Under review).
3. Pal, A. K., Biswas, B., Digamber Jichkar, M., Nandan Jena, A., & Kumar, M. (2024). Object detection driven composite block motion estimation algorithm for surveillance video coding. **Multimedia Tools and Applications (SCIE)**. (Under review).
4. Deb, S., Biswas, B., & Bhuyan, B. (2019). Secure image encryption scheme using high efficiency word-oriented feedback shift register over finite field. **Multimedia Tools and Applications**, 78, 34901–34925. (SCIE).

Conference

1. Gupta, S., Biswas, B., & Pal, A. K., (2024) A Real-Time Framework for Secure Storage of Surveillance Video Data in Cloud Environment, International Conference on Computing Advancements (ICCA 2024, ACM conference), (Accepted).
2. Biswas, B., Churasia, M., Pal, A. K., & Kar, N. (2024). A blockchain-based secure framework for storage and access of surveillance video data. In International symposium on signal and image processing, Springer Nature Singapore. (Accepted and presented).
3. Deb, S., Biswas, B., & Bhuyan, B. (2020). Advanced image encryption scheme using snowstream cipher. In Emerging trends in electrical, communications, and information technologies: Proceedings of icecit-2018 (pp. 785–794). Springer.
4. Deb, S., Biswas, B., & Kar, N. (2015). Study of nlsr and reasonable security improvement on trivium cipher. In Information systems design and intelligent applications: Proceedings of second international conference india 2015, volume 1 (pp. 731–739). Springer.
5. Sinha, S., Deb, S., Deb, S., & Biswas, B. (2014). Analysis of a new paradigm for depth vision application in augmented hci. In 2014 international conference on communication and signal processing (pp. 667–671). IEEE.

(b) Details of Seminar/Workshop/Conference.

1. Five days e-workshop on “**Cryptography and Blockchain Technology**” (**CBT-24**), 22-26 February 2024, at National Institute of Technology, Hamirpur.
2. The Seventh Edition of Webinar on Next Generation IoT February 15, 2024 in collaboration with IIT Indore and IIT Patna.