Dr. Debdutta Pal *(Technology)PhD*

Present Position: Professor

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Education:

- PhD (Technology) from University of Calcutta
- M.Tech. in Software Engineering from Maulana Abul Kalam Azad University of Technology (Gold Medal)

Research Key Areas:

- Network Security
- Internet of Things

Research Highlights:

- Publication of 8 patents in the area of different aspects of IoT.
- Mentoring student research project on Smart Agriculture for Intel Unnati Grand Challenge and win 3rd prize.
- Mentoring two granted (Grant from IEI) projects for students 1. Smart Agriculture 2. Smart Helmet

Experience:

- Professor at Dept. Of CSE, Adamas University. (July, 2023-Present)
- Professor at Dept. Of CSE, Brainware University (November, 2022-June 2023).
- HOD at Dept. Of CSE, Brainware University (February, 2021-March 2023).
- Associate Professor Dept. Of CSE, Brainware University (September,2020-October,2022)
- Associate Professor and HOD Dept. Of CSE, Calcutta Institute of Engineering and Management (February,2017-August,2020)
- Assistant Professor Dept. Of IT, Calcutta Institute of Engineering and Management (February,2008-January, 2017)

Research Publication (s)

- Number of research papers published in International refereed journals: 10 (SCI, Scopus, peer reviewed)
- Number of research papers published in international conference Scopus Proceedings: 10
- Number of Books: 02

Selected Publication (s):

1. "Primary Color Based Numerous Image Creation in Visual Cryptography with the Help of Grasshopper Algorithm, Artificial Neural Network and Elliptic Curve Cryptography". Goon, S., Pal, D. & Dihidar, S. (2022).   Journal of Computer Science, 18(5), 322-338. https://doi.org/10.3844/jcssp.2022.322.338Goon, S., Pal, D. & Dihidar, S. (2022).

2. "Enhanced Visual Cryptography Network (EVCN) for Secured Data Transmission Combining Des and Elliptic Curve Cryptography", Goon, S., Pal, D. & Dihidar, S. (2022), Indian Journal of Computer Science and Engineering, Vol. 13 No. 4, pp. 1168-1184

3. Nath, Sayan Pal Debdutta., "Destination Source Correlation Algorithm To Monitor Local Networks: A Worm Detection Technique" published in "Materials Today: Proceedings" Elsevier 2021.

4. "Pervasive Computing and Brain Computer Interface" Debdutta Pal, Sayani Majumder, Anisha Ali, IJARCCE,vol.4, issue. 8,2015

5. "Baids: Detection Of Blackhole Attack In Manet By Specialized Mobile Agent", Debdutta Barman Roy and Rituparna Chaki,IJCA,FEBRUARY,2012,ISBN: 978-93-80866-53-4

6. "MADSN: Mobile Agent Based Detection of Selfish Node in MANET ",Debdutta Barman Roy and Rituparna Chaki, IJWMN, 2011

7. "Comparative study of attacks on AODV based mobile Adhoc Network" Ipsa De , Debdutta Pal ;International Journal of Computer Science and Engineering (IJCSE)-2011

8. Surajit Goon, Debdutta Pal and Souvik Dihidar (2022), "Remote Authentication of Fingerprints using Meaningful Visual Cryptography", 3rd International Conference on Emerging technologies in Data Mining and Information Security, Lecture Notes in Networks and Systems, Springer, vol 491, PP 637-646

9. Goon, S., Pal, D., Dihidar, S. (2022). "Distribution of Internet Banking Credentials Using Visual Cryptography and Watermarking Techniques". In: Tavares, J.M.R.S., Dutta, P., Dutta, S., Samanta, D. (eds) Cyber Intelligence and Information Retrieval. Lecture Notes in Networks and Systems, vol 291, pp 59–67. Springer, Singapore. https://doi.org/10.1007/978-981-16-4284-5_6

10. Surajit Goon, Debdutta Pal, and Souvik Dihidar, (2022) "A Novel Approach to Ensure the Security of Question Papers using Visual Cryptography", 3rd International Conference on Emerging Technologies in Data Mining and Information Security, Lecture Notes in Networks and Systems, Springer, vol 491, pp 647-654

11. Surajit Goon, Debdutta Pal, Souvik Dihidar and Subham Roy (2022), "QR Code Based Digital Payment System Using Visual Cryptography", 1st International Conference on Innovations in Data Analytics (ICIDA 2022),

12. "Detection of Cyber-attacks using Deep Convolution in Honeyed Framework", Sayan Nath, Debdutta Pal, International Conference on Disruptive Technologies (ICDT-2023),(IEEE), Greater Noida, India.

13. A Novel Access Control Mechanism Using Trustworthiness of Nodes in a Cross-Domain Cloud Environment **Kaustav Roy ., Debdutta Pal ., Ayan Kumar Das ., Conference Paper Lecture Notes in Networks and Systems,** Volume **471,** Year **2023,** Pages **231-242 DOI:10.1007/978-981-19-2535-1_18**

14. "Congestion Control for IoT Using Channel Trust Based Approach", Moumita Poddar, Rituparna Chaki, Debdutta Pal, Published 2018 in CISIM,DOI:10.1007/978-3-319-99954-8_33

Research Advisor / Supervisor:

- PhD Supervisor: 02 (Awarded)
- MTech Super visor: 02 (Awarded)