Kunal Kumar Mandal

ASSISTANT PROFESSOR
Department of Computer Science
Mankar College, Mankar-713144
DOJ : 16/12/2016
E-mail : kkm.nitdgp@gmail.com
Phone : +91 - 9475929208 / +91- 8967857658

Education

► **Ph.D (pursuing) From National Institute of Technology, Durgapur.**
► **M.Tech (Specialization : Software Engineering) from National Institute of Technology, Durgapur. 2011 – 2013.** *1st Class.*

► **B.Tech. (Computer Science and Engineering) from Bankura Unnayani Institute of Engineering (W.B.U.Tech). 2007 - 2011.** *1st Class.*

Additional Qualification

► **GATE qualified 2011, 2012 and 2013.**
► **Qualified in UGC-NET 2012 in Computer Science.**

Experience (Academic & Administrative Assignments)

► **Assistant Professor, Department of Computer Science**, Mankar College, Mankar, Purba Barddhaman,West Bengal-713144 [16-12-2016 to till date].

► **Assistant Professor, Department of Computer Science**, Budge Budge Institute of Technology, Budge Budge, Kolkata, West Bengal [2015 to 2016].

► **Full time institute research scholar, Department of Computer Science**, National Institute of Technology, Durgapur, West Bengal, [2013 – 2015].

► Performed different duties in different universities like West Bengal University of Technology [2015-2016], SKBU University, Kazi Nazrul University, University of Burdwan etc as **member** of different confidential board since 2017.

Research Interests

► Cloud Computing (IaaS)
► Cyber Security and E-Mail Security
► Soft Computing
► Steganography
► System security

Teaching Interests

► Theory of Computation and Automata
► Compiler Design
► Operating System
► Soft Computing
► C Programming Language
► Data Structure and Algorithm

List of Publications (Journals & Book Chapter)

► **Kunal Kumar Mandal** and Debayan Chatterjee. Article: " Insider Threat Mitigation in Cloud Computing" . *International Journal of Computer Applications (IJCA)Vol* 120(20), pp 7-11, June 2015. DOI :10.5120/21341-4352.

► **Kunal Kumar Mandal**, Koley S., Mondal S. (2018) "Number System Oriented Text Steganography in English Language for Short Messages: A Decimal Approach". Intelligent Computing and Information and Communication. Advances in Intelligent Systems and Computing (AISC book series, vol 673), pp 183-193, Springer, Singapore. https://doi.org/10.1007/978-981-10-7245-1_19.

► Koley S., **Kunal Kumar Mandal**. (2017) "Number System Oriented Text Steganography in Various Language for Short Messages". Computational Intelligence, Communications, and Business Analytics. CICBA 2017. Communications in Computer and Information Science (CCIS book series, vol 775), pp 552-566. Springer, Singapore. https://doi.org/10.1007/978-981-10-6427-2_44.

► **Kunal Kumar Mandal**, Chatterjee S., Chakraborty A., Mondal S., Samanta S. (2020) "Applying Encryption Algorithm on Text Steganography Based on Number System". Computational Advancement in Communication Circuits and Systems. Lecture Notes in Electrical Engineering (LNEE book series, vol 575), pp 255-266. Springer, Singapore. https://doi.org/10.1007/978-981-13-8687-9_23.

List of Publications(Conference/ Seminar Proceedings)

► **Kunal Kumar Mandal**, A. Jana and V. Agarwal, "A new approach of text steganography based on mathematical model of number system," *2014 IEEE International Conference on Circuits, Power and Computing Technologies [ICCPCT-2014]*, Nagercoil, 2014, pp. 1737-1741.

► **Kunal Kumar Mandal**, S. Koley and S. Dhar, "A mathematical model for secret message passing using Steganography," *2016 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)*, Chennai, 2016, pp. 1-6.

► S. Koley and **Kunal Kumar Mandal**, "A novel approach of secret message passing through text steganography," *2016 IEEE International Conference on Signal Processing, Communication, Power and Embedded System (SCOPES)*, Paralakhemundi, 2016, pp. 1164-1169.

► Bubai Das, **Kunal Kumar Mandal**, Suvrojit Das,." Improving total migration time in live virtual machine migration ", ICCCT '15, ACM Proceedings of the Sixth International Conference on Computer and Communication Technology, September 2015. pp 57- 61. https://doi.org/ 10.11- 45/2818567.2818578.

► **Kunal Kumar Mandal** and Singh, Pradeep Kumar," Information Hiding in Text Steganography: A Different Approach" (March 12, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE) 2019.Available at SSRN: https://ssrn.com/abstract=3351041 or http://dx.doi.org /10.2139/ ssrn.3351041.

► Keshari, Piyush and Koley, Santanu and **Kunal Kumar Mandal** and Singh, Pradeep Kumar, 'Review on Data Analysis of Cryptocurrency" (March 11, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering

Research Link

► Google Scholar link: https://scholar.google.com/citations?user=oKQgVTkAAAAJ&hl=en
► ResearchGate link: https://www.researchgate.net/profile/Kunal_Mandal4
► Linkedin Link: https://www.linkedin.com/in/kunal-kumar-mandal-9b22081a7/

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Date: Signature:

22-04-2020   Kunal Kumar Mandal