Faculty Profile

Name   : Dr. Koyel Datta Gupta

Designation   : Associate Professor

Qualifications   : Ph.D (Jamia Millia Islamia),
                                 M.Tech(Jadavpur University),
                                 B.Tech(Kalyani University)

Phone   : 9999061790

Email   : koyel.dg@msit.in

Area of Interest/Specialization: Wireless Communication, Machine
                                     Learning, IoT and Blockchain

Experience   : 17 years   6months

Key Publications

1. M.Sharma, S.Pant, D.K. Sharma, K.D.Gupta, V. Vashishth, A. Chhabra, "Enabling security for the Industrial Internet of Things using deep learning, blockchain, and coalitions," *Transactions on Emerging Telecommunications Technologies*, Vol. 32 , No. 7, 2021.

2. S. Banyal, R. Dwivedi, K.D. Gupta, D.K. Sharma, F.A.Turjman and L. Mostarda, "Technology Landscape for Epidemiological Prediction and Diagnosis of COVID-19," *Computers, Materials & Continua,* Vol.67, No.2, pp.1679-1696,2021.

3. K.D.Gupta, D. K. Sharma, S. Ahmed,H. Gupta, D. Gupta and C. H. Hsu, " A Novel Lightweight Deep Learning-Based Histopathological Image Classification Model for IoMT," *Neural Processing Letters*, pp. 1–24, 2021.

4. A. Goel, D.K. Sharma, and K. D. Gupta, "LEOBAT: Lightweight encryption and OTP based authentication technique for securing IoT networks," *Expert Systems*, e12788, 2021.

5. K. D. Gupta, R. Dwivedi and D. K. Sharma,"Prediction of Covid-19 trends in Europe using generalized regression neural network optimized by flower pollination algorithm," *Journal of Interdisciplinary Mathematics,* Vol. 24, No. 1, pp. 33-51, 2021.

Papers presented in Conferences

1. A. Q. Ansari and Koyel Datta Gupta, "A Survey on Power Distribution in Wireless Mesh Network," in Proc. 12th IEEE International India Conference 2015, pp. 1-4, available on http://ieeexplore.ieee.org, December, 2015.DOI: 10.1109/INDICON.2015.7443276

2. A. Q. Ansari, P.C. Saxena and Koyel Datta Gupta, "Reliable Energy Efficient Channel Assignment in WiMAX Mesh Networks," in Proc. 3rd International Conference on Reliability, Infocom Technologies and Optimization, pp. 219-222 October 2014. [Online] Available: http://ieeexplore.ieee.org. doi: 10.1109/ICRITO.2014.7014690.

Awards and Recognitions

1. Awarded with Certificate of Appreciation for the academic year 2014-2015 during Annual Day of MSIT 2015 in recognition for outstanding contribution and continued dedication towards the multi-dimensional growth of the Institute

2. Received Letter of Appreciation from Hon'ble President SMES on 2016 for rendering excellent services for the academic growth of the Institute.

Patent/Copyright

1. Dr. Robin Singh Bhadoria, Dr. Tripti Sharma, Mr. Akshat Goyal, Dr. Rinky Dwivedi, Dr. Koyel Datta Gupta, Dr. Rekha Tripathi, Dr. Archana Balyan, Dr. Meena Rao, " Method for Authenticating and Validating Quick Response Code," Patent No. 202121010704 A, Date of filing: 14-3-2021,Date of Publishing: 9-4-2021.

2. Dr. Gaurav Dubey, Dr. Pooja Malik, Dr. Charu Agarwal, Anurag Mishra, Dr. Deepak Kumar Sharma, Dr. Koyel Datta Gupta, Dr. Rinky Dwivedi, "Sensor Based Electronic Device," Patent No. 202111019223 A,   Date of filing: 27/04/202, Date of Publishing:30/04/2021.

Sponsored Project/Consultancy

1. NIL

Book Chapter/Books published

1. C.S.Verma, Rajesh Purohit, Koyel Datta Gupta and Harsha Verma, Computer Graphics & CAD, Manakin Press, 2015.ISBN:978-93-84370-05-3.

2. A. Q. Ansari and Koyel Datta Gupta, Fuzzy Game Theory for Web Security, Applications of Soft Computing for the Web, Springer, 2017. ISBN: 978-981-10-7097-6.

3. R. Dwivedi, K.D. Gupta, Koyel , D. Sharma, Security and Surveillance at Smart Homes in a Smart City Through Internet of Things, Springer, 2021. ISBN: 978-3-030-52624-5.

Ph.D Supervised

NIL

Memberships of Professional bodies   **IEEE Member**

Other Contributions:

1. Participated in the International Conference on Innovative Computing and Communication (ICICC-2020),as **Session chair** held on 21-23 Feb 2020.
2. Participated in the International Conference on Artificial Intelligence and Applications 2020(ICAIA) as **Session chair** held on , 6-7 Feb 2020.
3. Participated in the NAAC sponsored National Conference on Quality Assurance in Higher Education: Practices and Issues as **Co- chair** held on , 16-17 May 2019.
4. Participated as **Guest Speaker** on "Supervised Techniques for COVID-19 Assessment" in Online FDP on research Aspects in Modern Analytics and Cyber Security Jaypee Institute of Information Technology 20-24 July 2020.
5. Participated as **Guest Speaker** on "Wireless Cellular Network" in Emerging Trends in Information Technology at Maharaja Surajmal Institute of Technology, New Delhi, India, 29 Feb-4 March 2016.