Name: Dr.Yagnyasenee Sen Gupta

Designation: Assistant Professor

Branch: Computer Science & Engineering

Educational Qualification(s):

Qualification	University
B.Tech (IT)	MAKAUT, WB (Formerly WBUT)
M.Tech (CSE) (Gold Medalist)	Assam University
Ph.D (CSE)	NIT Silchar

Experience in years:

Academic: 6 months

Other Information:

a) Publication details.

Patents

1. Yagnyasenee Sengupta, Shyamapada Mukherjee, “A Blockchain technology based Smart Waste Management System (Ein auf Blockchain-Technologiebasierendesintelligentes Abfallmanagementsystem)”, Germany Patent, Status: Granted, File Number: 202022105573

2. Yagnyasenee Sengupta, Shyamapada Mukherjee, “An Efficient Waste Classification System”, South African Patent, Status: Granted, File Number: 2023/03215

3. Yagnyasenee Sengupta, Shyamapada Mukherjee, “A Sensor-based Prototype of a smart garbage bin using Blockchain, IoT, and Deep Learning”, Indian Patent, Status: Applied for.

Journals

1. Yagnyasenee Sengupta, Shyamapada Mukherjee, Rahul Dutta, Sukriti Bhattacharya, “A Blockchain-Based Approach Using Smart Contracts to Develop a Smart Waste Management System”, International Journal of Environmental Science and Technology, Springer. 2021. https://doi.org/10.1007/s13762-021-03507-8 [**SCIE, Q1, IF: 3.519**]

2. Yagnyasenee Sengupta, Shyamapada Mukherjee, “A Survey on Security Issues in Cyber Physical Systems”, International Journal of Computational Intelligence IoT, Vol. 1, No. 2, 2018.

Conferences

1. Gupta Y.S., Mukherjee S., "A Study on Smart Cities Using Blockchain", In: Dawn S., Balas V., Esposito A., Gope S. (eds) Intelligent Techniques and Applications in Science and Technology. ICIMSAT 2019. Learning and Analytics in Intelligent Systems, vol 12. Springer, Cham.

2. Yagnyasenee Sengupta, Shyamapada Mukherjee, "A Reward-based Framework for Recovery and Utilization of Recyclable Wastes using Blockchain", 20th OITS International Conference on Information Technology, (pp-609-613) IEEE 2022.

3. Yagnyasenee Sengupta, Shyamapada Mukherjee, "An Ensembling Approach for Efficient Waste Classification", In 2022 IEEE Silchar Subsection Conference (SILCON) (pp. 1-6). IEEE

(b) Details of Seminar/Workshop/Conference.

- International Conference on Intelligent Computing Systems and Applications (ICICSA 2022) from 23rd to 24th September 2022, organized by National Institute of Technology Silchar.
- International Conference on Advanced Computing, and Informatics (ICANI 2018), at the Department of Computer Science and Engineering, National Institute of Technology Silchar, 2018.
- Participated and presented in Anveshan 2.0, from 10th to 12th January 2020 organized by National Institute of Technology Silchar.
- One Week Workshop on "Recent Research Trends & Future Perspective of Machine Learning in Academics & Industry," from 1st to 5th October 2018.
- One Week Workshop on "Design & Deployment of Cyber Physical systems," from 17th to 21st February 2018.
- One Week Workshop on "Modeling, Simulation & Soft Computing," from 10th to 14th August 2018.
- "Intellectual Property Right and Patent Processing", workshop under TEQIP-II from TSSOT, Assam University, Silchar, 2015.
- "Role of Statistics in Engineering Research", under TEQIP-II from TSSOT, Assam University, Silchar, 2016.
- Art and Challenges for Writing paper for IEEE Transactions and High Impact Factor Journals, workshop under TEQIP-II from Assam University, Silchar, 2016.
- Succeeding in Group Interviews and Personal Interviews, workshop under TEQIP-II from TSSOT, Assam University, Silchar, 2017.

(c). Professional membership of reputed bodies if any.

(d) Academic Achievements

- Received "Anundoram Borooah Award" for good performance in HSLC, 2009.
- Qualified GATE (CS & IT), 2016.

- Received “Gold Medal” from Assam University for securing 1st rank in M.Tech CSE, 2017.
- Received “Best Post Graduate Award for 2017” from the Department of CSE, Assam University.
- Received “Young Researcher Award 2022” from Institute of Scholars (InSc).