



**Gausiya Yasmeen**

**Assistant Professor, Department of Computer Application, Faculty of Engineering,  
Integral University, Lucknow**

**7905281410, [gausiyay@iul.ac.in](mailto:gausiyay@iul.ac.in)**

[Google Scholar Citation](#), [Orcid Id](#), [Scopus](#), [Research gate](#)

## PROFILE

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- Ph.D. (Computer Application), 2022, Department of Computer Application, Integral University, Lucknow, (Pursuing).
- Worked as Sr. Systems Officer at UPTEC Computer Consultancy (permanent faculty) 2013-2018. Also, served as Examination Superintendent at UPTEC Computer Consultancy Ltd., organized technical training (Digital Transformation, Asp.net-MVC), and conducted faculty sessions on quality enhancement.
- Proficient in C, C++, C#, Java, Python, PHP, MySQL, and .NET related technologies.

## RESEARCH INTEREST:

- Data Science
- Machine Learning
- Deep Learning
- Image Processing
- Internet of Medical Things
- Analytics and e-learning

## SUMMARY OF RESEARCH ACCOMPLISHMENT:

- Presented and published several papers in Scopus-indexed and peer-reviewed journals and International Conferences.
- Contributed chapters in various international books on topics like ML, DL, Image Processing and Cybersecurity.

## COURSE TAUGHT:

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- Data Structure using C
- Unix & Shell Programming
- Introduction to IT Industry
- Web Development
- C Programming
- Multimedia
- DBMS

## **ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY**

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- Contributed as NAAC Criteria Member, Women Grievance Redressal Cell Member, and Technical Committee Member

## **STUDENTS SUPERVISION**

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- Guided and coordinated projects for “A” Level , BCA and B.Tech students, including applications such as Online Shopping, Food Ordering System, Event Management, Car vs Car, and other real-time solutions.

## **PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS**

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- Gausiya Yasmeen, Nashra Javed and Tasneem Ahmed. (2022). Interoperability: A Challenge for IoMT. *ECS Transactions*, 107(1). <https://doi.org/10.1149/10701.4459ecst> (Scopus Indexed)

## **PAPER PRESENTED AT NATIONAL/INTERNATIONAL CONFERENCES**

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- Paper presented at **International Conference on Trends and Development in Science and Engineering: Bridging the Industry-Academia Interface (TISE CON 2025)** by Department of Bioengineering under the faculty of Engineering & IT and won 2<sup>nd</sup> prize for oral presentation
- **International Conference on Advances in Science, Engineering, and Technology (ICASET - 2024)** organized by Department of Computer Application, Integral University, Lucknow.
- **4th Global Multi-Track Virtual Conference “STAR 2023”** organized by Human Resource Development Center (HRDC) & Internal Quality Assurance Cell (IQAC), Integral University, India in association with Centro Universitario Unifacvest, Brazil, South America & Special Minds, India
- **International Conference (Virtual Mode) on "Emerging Trends in Technology & Its Impact on Law (ETTIL-2022)"** organized by Faculty of Law & Department of Computer Application, Integral University, Lucknow.
- **Advancing Research for Innovation, Sustainability and Enhancement 2nd Global Multi-Track**  
Virtual Conference and Awards 2021 by Special Minds, India and Kiwi Miles, New Zealand.
- **Best Presenter Award -International E-Symposium on “Recent Advancements in Information and Communications Technology”** from 05/11/2020 to 07/11/2020 in association with Indian Society for Technical Education (ISTE), Institute of Engineers Indian and technically co-sponsored by IEEE Uttar Pradesh Section, organized by the Department of Computer Application, Integral University, Lucknow.

## **PAPER PUBLISHED IN INTERNATIONAL CONFERENCES**

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- Gausiya Yasmeen, Tasneem Ahmed and Ajay Kumar Maury, “Detection and Analysis of Crop Stresses in Precision Agriculture Using Sentinel-2 Images”, in Proceedings of the

“2024 IEEE India Geoscience and Remote Sensing Symposium (InGARSS 2024)” held at NIT Goa, December 2nd – 5th, December 2024 (Scopus Indexed)

- Gausiya Yasmeen, Tasneem Ahmed and Nayyar Ali Usmani, “A Comprehensive Overview of Digital Image Processing Techniques in Precision Agriculture,” In: Ahmed, T., Bajpai, S., Faisal, M., and Tripathi, S. L. (Eds) *Advances in Science, Engineering and Technology: A Path to The Future*, Proceedings of International Conference on Advances in Science, Engineering & Technology (ICASET-2024), pp. 445 – 450, 2025. DOI: 10.1201/9781003641544-36 (eISBN: 9781003641544)
- Gausiya Yasmeen, Nidhi Pandey and Tasneem Ahmed, “Role of Image Processing and Machine Learning Techniques in Detection of Crop Stress and Crop Diseases: An Overview,” In: Ahmed, T., Bajpai, S., Faisal, M., and Tripathi, S. L. (Eds) *Advances in Science, Engineering and Technology: A Path to The Future*, Proceedings of International Conference on Advances in Science, Engineering & Technology (ICASET-2024), pp. 187 – 192, 2025. DOI: 10.1201/9781003641544-34 (eISBN: 9781003641544)
- Gausiya Yasmeen and Tasneem Ahmed, “Role of Digital Image Processing Techniques in precision Agriculture Mapping: A comprehensive review”, Communicated to 4<sup>th</sup> Global Multi- Track Virtual Conference “STAR 2023”, Integral University, India in association with Centro Universitario Unifacvest, Brazil, South America & Special Minds, India

#### **PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS**

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- Gausiya Yasmeen, Tasneem Ahmed, 2025, A Comprehensive Study on Machine Learning-Based Techniques for Early Crop Stress Detection, *INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)* Volume 13, Issue 06 (July 2025)

#### **BOOK CHAPTERS**

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- Yasmeen, G., Afaq, S. A., & Uzma, S. (2026). Burgeoning role and importance of digital twin technology in precision healthcare. In M. Rai & J. K. Pandey (Eds.), *Revolutionary impact of 5G on the advancement of technology in healthcare* (pp. xx–xx). Apple Academic Press. Co-published with CRC Press (Taylor & Francis).
- Yasmeen, G., Afaq, S. A., & Uzma, S. (2025). A comprehensive analysis of vulnerabilities and cybersecurity issues for digital agriculture and food industry. In *Cyberology: An optimized approach to the cyber-world* (pp. 150–169). <https://doi.org/10.1201/9781003409571-9> (Scopus Indexed)
- Yasmeen, G., Afaq, S. A., & Ahmed, T. (2024). The rising threat of deepfake technology and frightening advancements of social engineering. In *Effective strategies for combatting social engineering in cybersecurity* (pp. 307–329). <https://doi.org/10.4018/979-8-3693-6665-3.ch014> (Scopus Indexed)
- Yasmeen, G., Ahmed, T., & Maurya, A. K. (2024). Detection and analysis of crop stresses in precision agriculture using Sentinel-2 images. In *Proceedings of the 2024 IEEE India Geoscience and Remote Sensing Symposium (InGARSS 2024)*. <https://doi.org/10.1109/InGARSS61818.2024.10984001> (Scopus Indexed)
- G Yasmeen, A Khanam, F Farooqui (2022), “Unstoppable Over-The-Top - An Overview of OTT Platform and Regulation in India”, *Emerging Trends in Technology & Its Impact on*

Law (ETIL- 2022), Integral University, Lucknow

- G Yasmeen, SA Afaq, M Faisal, S Uzma (2023), “Recent Advancements and Impact of Multimedia in Education “, Artificial Intelligence and Multimedia Data Engineering 1, 82-97 Published in book title In Artificial Intelligence and Multimedia Data Engineering, Bentham Science 2023, ISBN: 978- 981-5196-45-0.
  - G Yasmeen, SA Afaq (2023), “The critical analysis of E-Commerce web application vulnerabilities”,  
Published in book title Advances in Cyberology and the Advent of the Next-Gen Information Revolution by IGI Global publication, 2023, DOI: 10.4018/978-1-6684-8133-2.ch002.  
Published in in book title Advances in Cyberology and the Advent of the Next-Gen Information Revolution (IGI Global publication), 2023, DOI: 10.4018/978-1-6684-8133-2.ch005. **(Scopus Indexed)**
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