


<b>Faculty</b>	<p><b>Dr. Vanshika Rastogi</b></p> <p><b>Assoc. Professor</b></p> <p><b>Artificial Intelligence &amp; Data Science</b></p> <p><b>East Point College of Engineering &amp; Technology</b></p>
	<p><b>Profile*</b></p> <p>Dr. Vanshika Rastogi completed her Bachelor degree in Computer Science and Engineering from UPTU, Lucknow (currently AKTU) in 2008 with an aggregate of 75.6%. She did her M.Tech. in Information Technology from Banasthali Vidyapith, Rajasthan in 2010 with an aggregate of 81.73% and also received the Gold Medal. She has completed her PhD in Computer Science from Banasthali Vidyapith, Rajasthan in 2024.</p> <p>She has an overall experience of 12 Years and is currently working as an Associate Professor in the Department of Artificial Intelligence &amp; Data Science, EPCET, Bengaluru. She has published 9 research papers in various Scopus Indexed Journals and Conferences. She has also published 6 patents and has co-authored a book on Computer System Security. Her area of specialization includes Machine Learning, Web Development, Software Engineering and Operating System.</p>
	<p><b>Publications</b></p> <p><b>Books</b></p> <p>☑ Co-authored a book on, “Computer System Security- Basic Concepts and Applications”, JBC Press, 2020</p> <p><b>Journals</b></p> <ul style="list-style-type: none"> <li>• Vanshika Rastogi &amp; Ajit Kumar Jain (2023) Detection and classification of COVID-19 disease using SWHO-based deep neural network classifier, <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging &amp; Visualization</i>, DOI: 10.1080/21681163.2023.2219767</li> <li>• V Rastogi, Satija S, Sharma DP, Singh S. Machine learning algorithms: Overview. <i>International Journal of Advanced Research in Engineering and Technology</i>. 2020 Oct 16;11(9).</li> <li>• Vanshika Rastogi and Dr. Ajit Kumar Jain, COVID-19: Nature, Outbreak and Role of Machine Learning. <i>International Journal of Advanced Research in Engineering and Technology</i>, 11(12), 2020, pp. 2387-2395.</li> <li>• Rastogi V, Swetha G, Lakshmi EA, Pauline M., An Enhanced Client Centric Software Development Life Cycle Model with cost and Effort Estimation, <i>ICTACT Journal on Management Studies</i>, November 2015, Vol.01, Issue-4, ISSN 2395-1656</li> <li>• Rastogi Vanshika, Software Development Life Cycle Models-</li> </ul>

Comparison, Consequences, *IJCSIT*, Vol. 6(1),2015, ISSN-0975-9646

### Conferences

- V. Rastogi, N. Gagan, S. Sai Kumar, M. Keerthana, S. S. Vaidya, "Android Malware Detection," *2023 World Conference on Communication & Computing (WCONF)*, RAIPUR, India, 2023, pp. 1-14, doi: 10.1109/WCONF58270.2023.10235114.
- V. Rastogi and A. K. Jain, "Analysis of the Impacts of COVID-19 using Deep Convolutional Neural Network," *2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)*, Erode, India, 2023, pp. 173-179, doi: 10.1109/ICSCDS56580.2023.10104933.
- V. Rastogi, I. Verma, A. Rai, H. Yadav and S. Satija, "Video To Braille Transcription For Visually Impaired People," *2021 International Conference on Simulation, Automation & Smart Manufacturing (SASM)*, Mathura, India, 2021, pp. 1-3, doi: 10.1109/SASM51857.2021.9841184.
- Rastogi Vanshika, Pandey, Abhishek and Singh, Sanika, Car's Selling Price Prediction using Random Forest Machine Learning Algorithm (March 1, 2020). *5th International Conference on Next Generation Computing Technologies (NGCT-2019)*, Available at SSRN: <https://ssrn.com/abstract=3702236> or <http://dx.doi.org/10.2139/ssrn.3702236>

### Achievements / Awards / Recognitions

- Organized a One Week Virtual Workshop on "Full-Stack Development", ABES Engineering College, Ghaziabad from 21 Feb 2022 - 26 Feb 2022.
- Organized a One Week Virtual FDP on "Essentials of Emerging Technologies (AI/ML/Deep Learning and Big Data) in Research", ABES Engineering College, from Jan 4, 2021-Jan 9, 2021.
- Worked as College Coordinator (MVJCE, Bangalore) for Spoken Tutorial Project IIT, Bombay for 2Year 7Months.
- Got 100% result for "Data Mining and Warehousing" for the academic year 2016-17. (MVJCE, Bangalore-VTU, Belgaum)
- Received Certificate of Excellence for 100% result in "Computer Organization" during the academic year 2014-2015. (MVJCE, Bangalore-VTU, Belgaum)

### Patents

- "Spot Your Park-A Proposed automated parking system"- Published, Application No. 202111059846
- "IOT BASED GESTURE RECOGNITION SYSTEM"- Published, Application No. 202111059556
- "Intelligent Ring for Old-Age and Differently-abled Persons for HealthSupport", -Published, Application No. 355625001
- "Intelligent Real-Time transcription System for visually challenged person"- Published, Application No. 202011050696 A.
- "Development of Intelligent System for Prevention of Viral Disease Spread Using AI techniques ISPVDA" – Published, Application No. 202011050693 A.

- “System and Methods for Single Input and Multiple Outputs”-  
Published, Application No. 202111002138