

ALKA CHOUDHARY

Assistant Professor
Department of Computer Engineering
J.C. Bose University of Science &
Technology YMCA, Faridabad



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Mob: 9811945214

Professional Qualifications /Achievements:

- Pursuing Ph.D. (Natural Language Processing) from J.C. Bose University of Science & Technology, YMCA, Faridabad.
- M. E. in Computer Science & Engineering from Lingaya's Institute of Management &Technology, Faridabad affiliated from Maharshi Dayanand University, Rohtak, Haryana in 2008
- B. E. in Computer Science & Engineering from Lingaya's Institute of Management &Technology, Faridabad affiliated from Maharshi Dayanand University, Rohtak, Haryana in 2004
- Gate-2011 Qualified
- UGC-NET Qualified.

Professional Experience(15+yrs):

- Presently working as assistant Professor in Department of Computer Engg. in J. C. Bose University of Science & Technology, Faridabad from Feb 2017 to till date.
- Worked as an Asst. Professor. in Department of Computer Science & Engg. in GSMVNIET (now MVN University) Palwal, from Aug -2010 to Jan-2017
- Worked as lecturer in Department of Computer Science & Engg. in Apeejay College of Engg. from Oct- 2007 to July -2010.
- Worked as lecturer in Department of Computer Science & Engg. in AFSET College from July- 2005 to July-2006.

Technical Skills:

Operating System: Windows, Linux

Database: Oracle, SQL server, My SQL

Programming Languages: Python, C, C++, C#, JAVA, Vb.net, HTML, CSS, JavaScript, PHP, JQuery,R Programming.

Other Software/Tools: Machine Learning, Deep Learning, MATLAB

Subjects Taught:

Machine Learning	Computer Networks /Data communication & Computer Networks
Data Structures	Theory of Computation
Programming for Problem Solving	Network Security
Computer Graphics	Operating System
Multimedia	Core Java
Dot Net Technologies	Advanced Java
Web Technologies	Network Programming
Artificial neural network	Advanced Operating System
Artificial Intelligence	Grammar and Natural language processing (GNLP)

Papers Published in International Journals:

- Monica Gupta, Alka Choudhary, Jyotsna Parmar, "Analysis of Text Identification Techniques Using Scene Text and Optical Character Recognition", *International Journal of Computer Vision and Image Processing (IJCVIP)*, Volume 11, Issue 4, Pages 39-62.2021.
- H. Verma, A. Choudhary and J. Parmar, "A- STATE-OF-THE-ART SURVEY ON IMAGE ENCRYPTION AND DECRYPTION TECHNIQUES", *International Journal of Information Security Science*, vol. 10, no. 3, pp. 60-74, Sep. 2021.
- Jyoti Choudhary, Alka Choudhary," Enhancement in Morphological Mean Filter for Image Denoising Using GLCM Algorithm", *International Journal of Computer Theory and Engineering (IJCTE)*, volume 13, Issue 4, Pages 134.2021
- Lall Garima, Dr. Manjeet, Ms. Alka," HUMAN FACE RECOGNITION IN A VIDEO FRAME THROUGH IMAGE PROCESSING AND DEEP LEARNING TECHNIQUES", *International Journal of Emerging Technologies and Innovative Research*, vol. 6, issue 6, pp. 524-528.2019.
- Florisha Taneja, Alka Choudhary," A novel approach for Image deblurring" published in *International Journal of recent and innovation trends in computing and communication (IJRITCC)*". ISSN: 2321-8169, Volume:3, Issue:12, pp. 6808 – 6812.Dec. 2015.
- Archana Kaushik, Alka Choudhary," A Novel Algorithm for Dehazing an Image", *International Journal of recent and innovation trends in computing and communication (IJRITCC)*". ISSN: 2321-8169, Volume: 3, Issue:12, pp. 6802 – 6807. Dec. 2015.
- Alka Choudhary, Deepika Sharma," Overview of Content Based Image Retrieval". *International Journal of Engineering Research and Technology*, ISSN: 0974-3154, Volume 6, Number 9,pp. 9-12.2013.

Papers Published in International Conferences:

- Florisha Taneja, Alka Choudhary, Dr. Jay Shankar Prasad, "Performance Evaluation of Deblurring Techniques", *INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTER AND INFORMATION TECHNOLOGY RESEARCH*, 25-26 September 2015, BSAITM, Faridabad.
- Archana, Alka Choudhary, Dr. Jay Shankar Prasad, "Comparison Of Different Methods Of Image Defogging", *INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTER AND INFORMATION TECHNOLOGY RESEARCH*, 25-26 September 2015, BSAITM, Faridabad.
- Alka Choudhary, Manjeet Singh. "GB Theory Based Hindi to English Translation System",2nd IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2009). 8 - 11, August 2009, Pages: 293 – 297, E-ISBN :978-1-4244-4520-2, Print ISBN:978-1-4244-4519-6. This paper is listed in IEEE Xplore and is indexed by both EI (Compendex) and ISI Proceeding (ISTP).
- Alka Choudhary," Morphological Analyzer for Hindi: Rule Based Approach", Published in the proceedings of *International Conference on Innovative Technologies (ICIT-09): Research and Development in Science, Technology and Management*. June18, 19 2009, PDM College of Engineering, Bahadurgarh.

Papers Published in National Conferences:

- Alka Choudhary, Deepika Sharma," Overview of Content Based Image Retrieval", (RTETMSD - 2013), 13th August 2013 at MVN University, Palwal (Haryana).
- Alka Choudhary. "WiMAX: an emerging technology". National conference on Emerging Trends in Software & Networking Technologies (ETSNT'09). April 2009 Amity University, Noida.
- Alka Choudhary, Nishi Rani, Deepika Sharma." Cloud Computing: A Review". National Conference on Emerging Technologies and Advancements in Computing' (NCETAC'10) 13th May'10, Apeejay College of Engineering, Sohna.

STP/FDP/Conferences /Workshops Organized:

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- Member of organizing committee of Faculty Development Program on "Data Science" from 21/02/2022 to 25/02/2022 at J C Bose University of Science & Technology, YMCA, Faridabad.
 - Member of organizing committee of Refresher course on "Emerging Trends in Computer Science" at J.C. Bose University of Science & Technology, YMCA, Faridabad from 8Jan,2018 to 13th Jan 2018.
 - Member of organizing committee of National Conference on "Advances in Mathematics & Computing", at J C Bose University of Science & Technology, YMCA, Faridabad.2017

STP/FDP/Workshops/Seminar Attended:

- Faculty Development Program on "Data Science" from 21/02/2022 to 25/02/2022 at J C Bose University of Science & Technology, YMCA, Faridabad.
- STTP on "Recent advancements in Artificial intelligence and Machine Learning at J.C. Bose University & Science, YMCA, Faridabad. From 22th march,2021 to 27th march,2021
- One-week online workshop on "Research methodology" from 11th May to 17th May,2020, Maharshi Dayanand University, Rohtak.
- Workshop on "Data Analytics" from 18th oct,2019 to 25th oct,2019 at J.C. Bose University & Science, YMCA, Faridabad.
- FDP on "Data Science and Big Data Analytics" 28th Aug,2018 to 1st sept,2018 at J.C. Bose University & Science, YMCA, Faridabad.
- Refresher course on "Emerging Trends in Computer Science" at J.C. Bose University & Science, YMCA, Faridabad from 8Jan,2018 to 13th Jan 2018.
- National Seminar on "Technology-A step towards implementation of ideas" on National Technology Day (09/05/2017) at J.C. Bose University & Science, YMCA, Faridabad.
- Two weeks course on "Video based Scene understanding" held at IIT Kharagpur from Dec 7 to Dec 18, 2015.
- Short term course programme on "Sustainable Development: Challenges and opportunities" will be held during 12-16 October, 2015 in collaboration with NITTTR Chandigarh.
- One day workshop on "Numerical methods using SciLab" held at MVN University on 28th July, 2014
- STC on "Image processing using MATAB" held at DCRUST Murthal from 21st July, 2014 to 25th July, 2014.
- STC on "Network and Socket Programming" held at IIT Kharagpur from 30th April to 5th May, 2012.
- Microsoft DreamSpark Yatra held at Apeejay College of Engg. on 25th March, 2010.

Other Activities:

- Member of technical team for developing the faculty portal in 2018.
- Member of development team who developed the recruitment portal for the university in 2020.
- Class Coordinator of MCA (Batch 2020-2022) and B.Tech. (Batch 2018-2022)
- Class Coordinator of B.Tech.(2016-2020)
- Member of Department NBA team for MTech. and B.Tech. (CE/IT) Courses.
- TEQIP department Co- coordinator (2017).
- GATE/CAT/other exams Coordinator (2017).
- Member of Website Committee to review and to update website (2017).

Personal Profile:

Date of Birth: 6th Oct,1983

Husband's Name: Arvind Tewatia

Address: K-1203, BPTP Discovery Park, Sector-80, Faridabad.