Faculty Profile Template

	Archana Singh Asst. Professor, Computer Sci. & Engg. Dept. Anand Engineering College, Keetham, Agra - 282007 Contact No. – 7248323565 Email – archana.singh@sgei.org

Other Details

Qualification	.	B.Tech, M.Tech
Department Name	.	Computer Science & Engineering
Experience	.	8 years
Research Interest		Digital Image Processing Compiler Design Cryptography & Network Security Genetic algorithms Realistic images of large geometric models Dimensional interactive computer graphics
Skill sets & Expertise		MATLAB, C, C++
B.Tech. **Dissertation supervised**		B. Tech.: 08
Research Publications		Journal : 03 Conference : 04 Book : NA Book Chapter : NA
Awards		• Huawei Certification on AI qualified in 2021 • **Research Reviewer**: Journal of Big Data Technology and Business Analytics

Total Conferences/Journal/FDP/Workshop/Seminar/Symposium :

- A paper on "Image Encryption Technique using Huffman Coding & Spatial Transformation"in 3 rd IEEE International Conference on Trends in Electronics and Informatics (ICTEI 2019), Tirunelveli, Tamil Nadu, India.
- A paper on "Contrast Enhancement & Brightness Preservation using Global Local Image Enhancement Technique"in 4 th IEEE International Conference on Parallel,

Distributed and Grid Computing (PDGC 2016), Jaypee University, Solan, H.P., India

- A paper titled "An Image Matching and Object Recognition System using Webcam Robot"in Fourth IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC 2016), Jaypee University, Solan, H.P., India.
- A paper titled "A Comprehensive Method for Image Contrast Enhancement based on Global-Local Contrast and Local Standard Deviation" in 'International Journal of Research of Engineering and Technology ' Vol. 3, eISSN: 2319-1163, September 2014.
- Published a paper titled "A Global-Local Contrast based Image Enhancement Technique based on Local Standard Deviation" in 'International Journal of Computer Application' Vol. 93, No 2, May 2014.
- Published a paper titled "Gray Level Enhancement to Emphasize Less Dynamic Region within Image Using Genetic Algorithm" in Third IEEE International Advances computing Conference IACC-2013, ISBN: 987-1-4673-4528-6,22-23 Feb 2013, Ghaziabad, India.
- Published a paper titled "A Survey on Contrast Enhancement using Genetic Algorithm" in 'International Journal of Scientific and Research Publications' Vol. 2, 7 th July edition 2012.
- FDP on "Block Chain" Organized By E & ICT Academy IIT, Kanpur from 20-03-2023 to 24-03-2023.
- FDP on " Machine Learning" Organized By E & ICT Academy IIT, Kanpur from 27-03-2023 to 02-04-2023.
- FDP on "Advance Excel with Data Visualization" Organized By E & ICT Academy IIT, Kanpur from 13-2-23 to 17-2-23.
- Successfully completed workshop on "AI/ML Techniques for the weather and climate application" organized by IIT, Kanpur form 12/03/2022 to 14/03/2022.
- Huawei Certification on AI qualified in 2021 and valid till 24 Sep 2024.
- FDP on " Cyber Security" Organized By E & ICT Academy IIT, Kanpur from 15-3-21 to 20-3-21.
- FDP on " Data Science" Organized By E & ICT Academy IIT, Kanpur from 15-02-21 to 27-02-21.
- FDP sponsored by AKTU, On " Role of Academic Leadership in meeting Institutional Challenges" Organized by HIMCS, Mathura from 10-02-21 to 14-3-2021.
- A course on "The Joy of Computing using Python", offered by NPTEL Online Certification, Funded by the Ministry of HRD, Govt. of India, Jan- April 2020 (12 weeks) with score 99%.
- A course on "The Fundamental of Digital Marketing", offered by Google Digital Unlocked on 31 May 2020.
- Workshop on " C and C++", organized by Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India, on 29 Feb 2020.
- Workshop on "Machine learning", from 16-17 /Dec/2017 through ICT (MHRD) by IIT Kharagpur.
- Workshop on "Natural Language Processing", organized by CSE Dept. at HCST, Mathura, Sponsored by AKTU from 25 July to 29 July, 2017.

- Workshop on "Android" organized by Google & AKTU from16-20/May/2017, at RBS College, Bichpuri, Agra.
- Workshop on "Data Science Research (WDSR-2016)", from 16 December to 18 December, 2016 Sponsored by Department of Science and Technology (DST), Government of India.
- Short term training programme on "Modeling & Simulation" at Maulana Azad National Institute of Technology, Bhopal.