CURRICULUM VITAE

DEMOGRAPHIC AND PERSONAL INFORMATION

Sriti Thakur

Contact Information:	Dr. Sriti Thakur Assistant Professor (Senior Grade) Department of Mathematics Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh , India.	Voice: +91-9805460543 E-mail- sritithakur19@gmail.com

EMPLOYMENT HISTORY:

Title/Position	University/Institution	Period
Assistant Professor-Senior Grade	Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, India	April 2025- till date
Assistant Professor	Shoolini University- Solan, Himachal Pradesh, India	September 2024- April 2024
Assistant Professor	Bahra University- Shimla Hill,Waknaghat, Solan, Himachal Pradesh, India	September 2021- September 2024

EDUCATION:

Ph.D. (Computer Science and Engineering)
Jaypee University of Information Technology, Waknaghat –Solan H.P, India in (2016 - 2020).Title:
SecurityofDigitalDocumentsforRemoteMedicalConsultancy.

MCA
Himachal Pradesh University ,Shimla – Summer Hill (India)-171005

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B. Sc (Physics, Mathematics, Computer Application)
St. Bedes College, Navbahar-Shimla
Himachal Pradesh University ,Shimla – Summer Hill (India)-171005

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RESEARCH INTERESTS:

- **Image Processing**
- **Digital watermarking**
- **Cyber security**
- **Cryptography**
- **Computer vision**
- **Machine learning**
- **Artificial intelligence**

RESEARCH PROFILE:

Google Scholar
https://scholar.google.com/citations?hl=en&user=96TcD_4AAAAJ
ORCID ID
https://orcid.org/0000-0003-1821-7147

RESEARCH PUBLICATIONS:

Journals:

1. S Thakur , A K Singh , SP Ghrera and Mohamed Elhoseny (2019) Multi-layer security of medical datathrough watermarking and chaotic encryption for tele-health applications, Multimedia Tools and Applications, Vol. 78, Issue 3, pp. 3457-3470, doi: 10.1007/s11042-018-6263-3(https://link.springer.com/article/10.1007/s11042-018-6263-3), Springer. (SCI Indexed, IF = 2.101)

2. S Thakur, A K Singh, SP Ghrera and A Mohan (2018) Chaotic based secure watermarking approach formedical images, Multimedia Tools and Applications, pp. 1-14, doi: 10.1007/s11042-018-6691-0 (https://link.springer.com/article/10.1007/s11042-018-6691-0), Springer.(SCI Indexed, IF = 2.101)

3. S Thakur, A K Singh, and SP Ghrera (2018) NSCT domain based secure multiple watermarkingtechniques through lightweight encryption for medical images, Concurrency and Computation: Practice and Experience, pp. 1-10, doi: 10.1002/cpe.5108 (https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.5108), Wiley (SCI Indexed, IF = 1.114).

4. Singh AK, Thakur S, Jolfaei A, Srivastava G, Elhoseny MD, Mohan A. Joint encryption and compression-based watermarking technique for security of digital documents. ACM Transactions onInternet Technology (TOIT). 2021 Jan 13;21(1):1-20.

Published Book Chapters:

1. S Thakur, AK Singh, SP Ghrera and M Dave (2017) Watermarking Techniques and its Applications inTele-Health: A Technical Survey, In: S. Ramakrishnan (ed.) Cryptographic and Information Security Approaches for Images and Videos, CRC pp. 467- 508.

Conference Papers:

1. Thakur, S., A. K. Singh, Basant Kumar, and S. P. Ghrera. Improved DWT-SVD-Based MedicalImage Watermarking Through Hamming Code and Chaotic Encryption. In Advances in VLSI, Communication, and Signal Processing, pp. 897-905. Springer, Singapore, 2020. (https://www.springerprofessional.de/en/improved-dwt-svd-based-medical-image watermarking-through-hammin/17465256)

2. Thakur, S., A. K. Singh, and S. P. Ghrera. Encryption Based DWT-SVD Medical ImageWatermarking Technique Using Hamming Code. In Proceedings of ICETIT 2019, pp. 1091-1099. Springer, Cham, 2020. (https://link.springer.com/chapter/10.1007%2F978-3-030- 30577-2_96)

Organization/Participation of Seminars/Workshops/Schools:

- Presented a paper on Encryption based DWT- SVD medical image watermarking technique using hamming codeInternational Conference on Emerging Trends in Information Technology IITM Janakpuri-New Delhi (2019)

- Presented a paper on Improved DWT- SVD based medical image watermarking through hamming code andchaotic encryption in International Conference on VLSI, Communication and Signal Processing, MNNIT Allahabad November (2018).

- Attended one day workshop on - A foundation program on data science using statistica in association with gridanalytics India on 21st April 2017 at Jaypee University Waknaghat(H.P.)

- Participated in AICTE recognized short term course on - Cyber Crime and Forensic Tools through ICT from 6thto 10th February 2017 at Jaypee University Waknaghat (H.P.)

- Participated in workshop on virtual labs college Cloud Edition from 9th-12th May 2017 at Jaypee UniversityWaknaghat (H.P.)

- Participated in 2017 Fourth International Conference on Image Processing (ICIIP 2017) organized by CSEDepartment Jaypee University Waknaghat (H.P.)

- Participated in 1 week FDP-Research Methodology and Data Analysis conducted by Research and DevelopmentCell -Bahra University on May 02/05/2022-7/05/2022.

- Attended one week FDP on Artificial Intelligence & machine Learning organized by E&ICT IIT Guwhati an initiative of Ministry of Electronics & Information Technology (MeitY) Government of India from 3rd-8th February 2025.

- Attended two weeks Faculty Development Program on "Deep Learning and Optimization for Healthcare" jointly organized by Electronics and ICT Academy, NIT Patna, Malla Reddy College of Engineering &Technology, Hyderabad, UPES, Dehradun, Uttarakhand, Sri Sankara Arts and Science College, Kanchipuram, SR University, Telangana and BIT Sindri, Dhanbad under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)" by the Ministry of Electronics and Information Technology (MeitY), Government of India from 24th February 2025 - 04th March, 2025.