


Faculty Profile

Name	Dr. Amit Chhabra			
Designation	Assistant Professor			
Pay Scale				
Department	Computer Science and Engineering			
Qualification	B.Tech,M.Tech,Ph.D			
Date of joining	Institute 7/11/2016	Present Post 7/11/2020		
Experience (<i>in years</i>)	Total 22 Years	Teaching 22 Years	Industry	
Research Interests	Machine Learning,Mobile Adhoc Networks			
Contact Details:	Email amitchhabra@ccet.ac.in	Mobile/Phone 9888623825		
Research Publications	International Journals	National Journals	International Conferences	National Conferences
Books/Chapters Published	01			
Research Guidance	Ph. D.	Nil	Masters	03
Research Projects	Completed	Nil	Inprogress	
Consultancy Projects	Completed	Nil	Inprogress	
Seminar/Conference/STTPs	Attended		Organized	
Professional Affiliations	-			
Awards/ Fellowships etc.				
List of Publications	Attached			
Research Project Detail	Nil			
Patent Detail	Nil			
Consultancy	Nil			
Ph.D Scholars Name	<ol style="list-style-type: none"> 1. Gurpreet Singh 2. Deepika Narang 			

	<ol style="list-style-type: none"> 3. Priyanka Mankotia 4. Shikha Attwal
Institute Responsibility	<ol style="list-style-type: none"> 1. AICTE Web Portal Incharge 2. AISHE Web Portal Incharge 3. NIRF Web Portal Incharge 4. ICT Nodal Officer for Training of Emplpyees of Chandigarh Adnistratation 5. Member of Institution Innovation Council (IIC) Committee of the institute. 6. Committee Member for National Innovation and Start-up Policy (NISP) at CCET 7. Joint Nodal Officer for AICTE Scholarship Schemes
Department Responsibility	<ol style="list-style-type: none"> 1. Lab In-charge 2. Furniture Incharge 3. Library Incharge 4. NBA Committee Member
Any Other Information	

Signature of faculty

Publications

Details of the Publication

- 1 Verma, Ravi, Amit Chhabra, and Ankit Gupta. "A statistical analysis of tweets on covid-19 vaccine hesitancy utilizing opinion mining: an Indian perspective." *Social Network Analysis and Mining* 13, no. 1 (2022): 12.
(Scopus indexed Journal)
URL- <https://link.springer.com/article/10.1007/s13278-022-01015-2>
- 2 Chui, Kwok Tai, Tanveer Singh Kochhar, Amit Chhabra, Sunil K. Singh, Deepinder Singh, Dragan Peraković, Ammar Almomani, and Varsha Arya. "Traffic accident prevention in low visibility conditions using VANETs cloud environment." *International Journal of Cloud Applications and Computing (IJCAC)* 12, no. 1 (2022): 1-21.

(Scopus indexed Journal)

URL-<https://www.igi-global.com/article/traffic-accident-prevention-in-low-visibility-conditions-using-van-ets-cloud-environment/313572>

- 3 Verma, Vyom, Anish Benjwal, Amit Chhabra, Sunil K. Singh, Sudhakar Kumar, Brij B. Gupta, Varsha Arya, and Kwok Tai Chui. "A novel hybrid model integrating MFCC and acoustic parameters for voice disorder detection." *Scientific Reports* 13, no. 1 (2023): 22719.
(SCI indexed Journal)
URL- <https://www.nature.com/articles/s41598-023-49869-6>
- 4 Chhabra, Anureet, Akash Sharma, Kunal Chhabra, and Amit Chhabra. "A statistical analysis of sentiment over different social platforms on drug usage across high, middle and low-income countries." *Scalable Computing: Practice and Experience* 24, no. 4 (2023): 971-984.
(Scopus indexed Journal)
URL-<https://scpe.org/index.php/scpe/article/view/2471>
- 5 Tarun Vats, Shrey Mehra, Uday Madan, Amit Chhabra, Akashdeep Sharma, Kunal Chhabra, Sarabjeet Singh, Utkarsh Chauhan, NeuroRF FarmSense: IoT-fueled precision agriculture transformed for superior crop care, *International Journal of Cognitive Computing in Engineering*, Volume 5, 2024, Pages 425-435, ISSN 2666-3074.
(Scopus indexed Journal)
URL-https://www.sciencedirect.com/science/article/pii/S2666307424000330?ssrnid=4545569&dgcid=SSRN_redirect_SD
- 6 Setia, Himanshu, Amit Chhabra, Sunil K. Singh, Sudhakar Kumar, Sarita Sharma, Varsha Arya, Brij B. Gupta, and Jinsong Wu. "Securing the road ahead: Machine learning-driven DDoS attack detection in VANET cloud environments." *Cyber Security and Applications* 2 (2024): 100037.
(Scopus indexed Journal)
URL- <https://www.sciencedirect.com/science/article/pii/S2772918424000031>
- 7 Kumari, Smriti, Anamika Sharma, Amit Chhabra, Ankit Gupta, Sarabjeet Singh, and Ravi Verma. "Analysing public sentiment towards robotic surgery: an X (formerly Twitter) based study." *Social Network Analysis and Mining* 14, no. 1 (2024): 61.
(Scopus indexed Journal)
URL- <https://link.springer.com/article/10.1007/s13278-024-01226-9>
- 8 Gupta, Anshul, Kanishk Mamgain, Maninder Singh, and Amit Chhabra. "NS2-Based Experimental Analysis of Throughput for TCP and UDP Traffic During Link Failure of The Network." *Iraqi Journal of Science* (2024): 401-413.
(Scopus indexed Journal)
URL- <https://www.iasj.net/iasj/download/ffb69691a6fd8c74>
- 9 Gupta, Saksham, Amit Chhabra, Satvik Agrawal, and Sunil K. Singh. "A comprehensive comparative study of machine learning classifiers for spam filtering." In *International Conference on Cyber Security, Privacy and Networking*, pp. 257-268. Cham: Springer International Publishing, 2021. **(Scopus indexed Conference)**
URL-https://link.springer.com/chapter/10.1007/978-3-031-22018-0_24
- 10 Walia, Agampreet Kaur, Amit Chhabra, and Dakshraj Sharma. "Comparative analysis of contemporary network simulators." In *Innovative Data Communication Technologies and Application: Proceedings of ICIDCA 2021*, pp. 369-383. Singapore: Springer Nature Singapore, 2022.
(Scopus indexed Conference)
URL- https://link.springer.com/chapter/10.1007/978-981-16-7167-8_27
- 11 Rana, Tushar, Darshan Saraswat, Akul Gaiind, Rhythem Singla, and Amit Chhabra. "A BERT Classifier Approach for Evaluation of Fake News Dissemination." In *International Conference on Artificial Intelligence of Things*, pp. 171-184. Cham: Springer Nature Switzerland, 2023.
(Scopus indexed Conference)
URL- https://link.springer.com/chapter/10.1007/978-3-031-48781-1_14
- 12 Singh, Gurpreet, Amit Chhabra, and Ajay Mittal. "A Comparative Study of DL and ML Models for Brain Tumor Detection." In *International Conference on Communication and Intelligent Systems*, pp. 1-18. Singapore: Springer Nature Singapore, 2023.
(Scopus indexed Conference)
URL- https://link.springer.com/chapter/10.1007/978-981-97-2053-8_1

- 13 Saini, Taruna, and Amit Chhabra. "Performance Analysis of Different Machine Learning Classifiers for Prediction of Lung Cancer." In *International Conference on Artificial Intelligence of Things*, pp. 258-276. Cham: Springer Nature Switzerland, 2023.
(Scopus indexed Conference)
URL- https://link.springer.com/chapter/10.1007/978-3-031-48774-3_18
- 14 Singh, Gurpreet, Amit Chhabra, and Ajay Mittal. "Evaluating Deep Learning Algorithms for MRI-Based Brain Tumor Classification." In *2024 International Conference on Emerging Innovations and Advanced Computing (INNOCOMP)*, pp. 428-434. IEEE, 2024. **(Scopus indexed Conference)**
URL- <https://ieeexplore.ieee.org/abstract/document/10664153>
- 15 Kaur, Harkiran, Sunil K. Singh, Amit Chhabra, Vanshika Bhardwaj, Ritika Saini, Sudhakar Kumar, and Varsha Arya. "Chaotic Watermarking for Tamper Detection: Enhancing Robustness and Security in Digital Multimedia." In *Digital Forensics and Cyber Crime Investigation*, pp. 101-128. CRC Press, 2025.
(Book Chapter)
URL- <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003207573-6/chaotic-watermarking-tamper-detection-harkiran-kaur-sunil-singh-amit-chhabra-vanshika-bhardwaj-ritika-saini-sudhakar-kumar-varsha-arya>