

CURRICULUM VITAE

Dr. Amanpreet Kaur

VILL- Surewala

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DISTT- Shri Muktsar Sahib

PUNJAB-152025

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Objective

- To associate with multi-dynamic institute, this may provide a platform to update my knowledge & skills in accordance with latest trends in teaching along with research that follows a tradition of anticipating & leading changes.

Short Introduction

- MCA [2016], UGC- NET in Computer Sciences for Lectureship, 2017. Ph.D. in Computer Science [2017-2023]. About 6 Years of research experience with Learning Analytics. Two published papers in reputed journals along with two International conferences attended. Three research papers are communicated in international reputed journal.

Academic Qualifications: UGC-NET, Ph.D in CSE.

1. Ph.D:	<i>“Learning Analytics Dashboard for Novice Programmers: Analysing the Impact of Computational Thinking and Non-Cognitive Factors”</i> , (15-Sept-2017 to 14-Sept-2023), Supervisor: Dr. Kuljit Kaur , Department of Computer Science, Amritsar
2. UGC-NET:	UGC-NET (Jan, 2017) in Computer Science
3. MCA :	Masters in Computer Applications, Department of Computer Science, Guru Nanak Dev University, Amritsar
4. BCA :	Bachelors in Computer Applications, Baba Farid Group of Institutes, Bathinda
5. 10+2 Class	Mathematics, Economics, Physical Education, Dasmesh Girls Sen. Sec. School, Badal
6. 10 Class	Punjab School Education Board, Raike-kalan

Academic Experience

- Currently working as Assistant Professor, Department of AIML/IOT, BFCET, Bathinda
- Previously taught in Department of Computational Sciences, MRSPTU, Bathinda

Research Experience

- Six years of research experience with implementation of Machine Learning algorithms and Learning Analytics Dashboards
- Present two research papers in international conferences.
- Two research papers are published in SCI indexed international journals.
- Three research papers are communicated in SCI indexed international journal.

- Three book chapters published.
- Two Research Proposals submitted.

Field of Interest

Utilization of Learning Analytics in identification of influences of cognitive/non-cognitive factors on programming students

Specialization

Machine Learning, Learning Analytics, Operating System, DBMS

Academic Distinction

Two international research paper published paper and two International conferences attended.

Publications

Research papers published in SCI Journals:

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Amanpreet Kaur & Kuljit Kaur Chahal	A learning analytics dashboard for data-driven recommendations on influences of non-cognitive factors in introductory programming. DOI: https://doi.org/10.1007/s10639-023-12125-5	Education and Information Technologies (Springer Nature) 5.4 Impact Factor, Electronic ISSN: 1573-7608	29(8)	9221-9256	2023
2	Amanpreet Kaur & Kuljit Kaur Chahal	Exploring Personality and Learning Motivation Influences on Students' Computational Thinking Skills in Introductory Programming Courses. DOI: https://doi.org/10.1007/s10956-023-10052-1	Journal of Science Education and Technology (Springer Nature) 5.5 Impact Factor, Electronic ISSN: 1573-1839 Print ISSN: 1059-0145	32(6)	778-792	2023

Books/Reports/Chapters/General articles:

S. No	Title	Author's Name	Publisher	Year
International Conference Research Articles (Scopus)				
3*	A Review on the Impact of Cognitive Factors in Introductory Programming	Amanpreet Kaur & Kuljit Kaur Chahal	4th International Conference on Communication, Computing and Electronics Systems 2022, Organized by PPG Institute of Technology, Coimbatore, India Book: Book:- Proceedings of Fourth International Conference on Communication, Computing and Electronics Systems, Lecture Notes in Electrical Engineering by Springer Nature Singapore Pte Ltd, (Pages 1019-1032), ISBN13: 9789811977527	09/2022
4	Predictor of Computer Science Students' Learning Motivation	Amanpreet Kaur & Kuljit Kaur Chahal	2nd International Conference on Sentiment Analysis and Deep Learning 2022, held by Tribhuvan University, Pulchowk campus, Nepal Book: Sentiment Analysis and Deep Learning, Advances in Intelligent Systems and Computing by Springer Nature Singapore Pte Ltd, (Pages 651-661), ISBN13: 9789811954429	06/2022
National Seminar Research Article				
5	Computational Thinking and Computing Education- Understanding the Development Strategies	Amanpreet Kaur & Kuljit Kaur Chahal	National Seminar on Rethinking Education: Developing the Culture of Inclusive and Equitable Quality Education under PMMMNMTT, MHRD, Govt of India	08/2019

S. No	Title	Author's Name	Publisher	Year
International Book Chapters (Scopus)				
6	Personality as a Predictor of Computer Science Students' Learning Motivation DOI: https://doi.org/10.1007/978-981-19-5443-6_50 (International Book Chapter)	Amanpreet Kaur & Kuljit Kaur Chahal	Book:- Sentiment Analysis and Deep Learning, Advances in Intelligent Systems and Computing by Springer Nature Singapore Pte Ltd, (Pages 651-661), ISBN13: 9789811954429	2023

7	A Review on the Impact of Cognitive Factors in Introductory Programming (DOI: https://doi.org/10.1007/978-981-19-7753-4_77) (International Book Chapter)	Amanpreet Kaur & Kuljit Kaur Chahal	Book:- Proceedings of Fourth International Conference on Communication, Computing and Electronics Systems, Lecture Notes in Electrical Engineering by Springer Nature Singapore Pte Ltd, (Pages 1019-1032), ISBN13: 9789811977527	2023
8	Empirical Studies on Using Pair Programming as a Pedagogical Tool in Higher Education Courses: A Systematic Literature Review (International Book Chapter)	Kuljit Kaur Chahal , Amanpreet Kaur , Munish Saini	Book:- Research and Evidence in Software Engineering by CRC Press (Taylor & Francis Group), Pages 251-285, ISBN13: 9781003168393	2021

Communicated:

S. No	Title	Author's Name	Research Article/ Proposal	Year
1	LADCN: Learning Analytics Dashboard for Cognitive and Non-cognitive factors of novice programmers	Amanpreet Kaur & Kuljit Kaur Chahal, Sanjay	Research Article	2025
2	An Explainable Machine Learning Approach to Predicting and Interpreting Labor Market and Educational Participation from Psychometric and Demographic Dataset	Amanpreet Kaur, Sanjay, Kuljit Kaur Chahal, Rajveer Kaur	Research Article	2025
3	Expanding the Perspective to Analyze Psychometric Factors with Learning Analytics Dashboards in Introductory Programming Research	Amanpreet Kaur & Kuljit Kaur Chahal	Research Article	2025
4	Interpreting Psychological Drivers of Career Homogeneity: Clustering Analysis and Statistical Validation of Big Five Traits and Aptitudes	Amanpreet Kaur, Kamaljit Kaur, Deepali Bassi, Rajvir Kaur, Komal Chanania	Research Article	2026
5	Quantum Annealing-Based Career Recommendation System Utilizing Explainable AI and QUBO Optimization for High School Students	Amanpreet Kaur	CSIR Project Proposal	2025
6	AI-Based Work-Life Balance Assessment and Enhancement System	Amanpreet Kaur	PMECRG Project Proposal	2025

Seminars and Workshops Attended

- Attend Seven day workshop on “Artificial Intelligence and Machine Learning” in National Institution of Technology in Jalandhar.
- Attend Three days workshop on “Tools and Trends in research” in National Institution of Technology in Jalandhar.
- Attend two online FDP program organized by Guru Nanak Dev University, Amritsar.

Personal Information

Father's Name : Mr. Gurtej Singh
 Date of Birth : 05-September-1993
 Sex : Female
 Marital Status : Married
 Native Place : Shri Muktsar Sahib
 Address : VPO: Surewala,
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References

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