

CURRICULUM VITAE

Name: Balwinder Kaur
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Areas of Research: Cloud Computing & Computer Networks



Academic Qualifications:

Sr. No.	Degrees	Subjects	Board/University
1.	Matriculation (10 th)	Math, Science, SS, Eng, Pun, Hindi	Punjab School Education Board, Mohali
2.	Sen. Sec. (10+2) (Non-Med)	Math, Chemistry, Physics, Eng, Pun	Punjab School Education Board, Mohali
3.	B.Sc. (Non-Med)	Math, Chemistry, Physics, Eng, Hindi	H. P. University, Shimla
5.	M. C. A.	Computer Sciences	Punjabi University, Patiala

Other Qualification: UGC-NET Qualified in Computer Science Application

Details of Experience: (Total Experience: 12 Years & 03 Months Approx.)

Sr. No	Name of the Institute/Employer	Position Held	Period	Duration	Major Job Responsibilities
1.	T.P.D Malwa College, Rampura Phul (PB)	1. Lecturer (Contract) 2. Lecturer (Contract) 3. Lecturer (Contract)	04/09/2009 To 10/05/2010 19/07/2010 To 07/05/2011 05/08/2011 To 21/12 2011	08 Months 10 months 4 Months & 16 Days	<ul style="list-style-type: none">Teaching

2.	Punjabi University Neighborhood Campus CoEM, Rampura Phul	Assistant Professor	22/12/2011 To 13/08/2018	06 Years & 09 Months	<ul style="list-style-type: none"> • Teaching & Research • Member of various Academic & Administrative Committees of the Department.
3.	Punjabi University Centre for Emerging & Innovative Technology, Mohali	Assistant Professor	13/08/2018 Till Date	04 Years & 8 Months	<ul style="list-style-type: none"> • Teaching & Research • Member of various academic & Administrative Committees of the Department.

Subjects Taught at Undergraduate and Postgraduate Levels:

- Python Programming, Artificial Intelligence, Data Structures, Computer Graphics, Operating Systems, System Software, Software Engineering, Object Oriented Programmings (C++, Java, ASP.NET)

Technical Proficiency:

- Programming Languages: **(Python, C/C++, Java, ASP.NET)**

Research Publications: (International & National Journals: 5)

1. Balwinder Kaur, "Review of Skin Cancer Detection Techniques Using Image Processing", International Journal of Computer Sciences and Engineering, Vol.6, Issue.3, pp.507-513, 2018.
2. Kaur, Balwinder, Navjot Kaur, and Rachhpal Singh. "A Study of Energy Saving Techniques in Green Cloud Computing." *Advances in Computational Sciences and Technology* 10.5 (2017): 1191-1197.
3. Kaur, Balwinder, and Rachhpal Singh. "A Comparison and Analysis of Load Balancing Algorithms in Cloud Computing." *Advances in Computational Sciences and Technology* 9.1 (2016): 51-59.
4. Singh, Jaspreet, and Rachhpal Singh, and Balwinder Kaur. "An Implementation of Room Persistence Library In Android Local Database". *Journal of Interdisciplinary Cycle Research* 12.9 (2020): 1797-1801
5. Kaur, Navjot, Balwinder Kaur, and Jagtar Singh. "Cross Dipole Hybrid Koch Fractal Antenna for Wireless Communication." *International Journal of Electronics Engineering Research* 9.3 (2017): 363-367

Paper Presented in National/International Conferences: (06)

1. Presented Paper on "A Novel Method of Categorizing Brain Tumors Using the Hybrid

- ALO-ELM Model” in 7th International Conference (11-13 April 2023) on “Trends in Electronics & Informatics (ICOEI 2023)” held at SCAD, College of Engineering and Technology, Cheranmahadevi, Tirunelveli in Collaboration with IEEE.
2. Presented Paper on “Globalization: Its Impact on Technical Education and Culture In India” in One Day National Conference (22nd August 2015) on “Skill Development in Higher Education “held at A.S. College Khanna in Collaboration with Punjab Commerce and Management Association.
 3. Presented Paper on “Impact of Industrialization on Society& Human Values” in Two days National Conference (11th -12th August 2015) on “Human Values in Professional Education (HVPE’15)” held at Department of Applied Sciences, Swami Vivekanand Institute of Engineering & Technology, Banur.
 4. Presented Paper on “Role of Women in Hindu and Sikh Religion” in three days 3rd South Asian History Conference (16th -18th October 2015) held at the Department of History, Punjabi University Patiala.
 5. Presented Paper on “Role of Technology: Improving Women Economically 7th International Conference on Empowering Women, Empowering Humanity Organized by the Women Study Centre, Punjabi University, Patiala.
 6. Participated in Three-Days International National Conference on “Information Systems for Indian Languages (ICISIL2011)” held from 9th to 11th March 2011 at the Department of Computer Science, Punjabi University, Patiala, India.

Professional Development Activities:(Participation in Workshop/Training: 16)

Participation in Workshop/Training:

1. Online Refresher Course of Two Weeks on “Internet of Things- A Project Based Learning using Virtual IoT Lab” Organized jointly by National Institute of Technical Teachers Training & Research Chandigarh and Xtrans Solutions Pvt. Ltd., Bangalore from 08th to 19th July 2020.
2. Online AICTE Recognized Faculty Development Programme on “Applications of IoT (One Week)” Organized by Computer Science and Engineering Department NITTTR, Chandigarh from 16/06/2020 to 20/06/2020.
3. Two Days Online Capacity Building Program on “Basic Tools and Techniques for Online Teaching” organized through the website <https://join.freeconferencecall.com/daapup> 25 July to 26th July 2020 from 11:00 AM to 4:00 PM daily
4. 19th Orientation Programme Organized by Academic Staff College, Punjabi University, Patiala from 11 February 2014 to 09 March 2014 sponsored by UGC.
5. Short Term Training Program on “Development of Latest Instructional Media Using Page Maker Adobe Photoshop, Adobe After Effect, and Adobe Premier” from 04 May 2015 to 08 May 2015 (One Week) organized by ETV Centre NITTTR, Chandigarh.
6. Two Days Online Capacity Building Program on “Basic Tools and Techniques for Online Teaching” from 25 July to 26th July 2020 from 11:00 to 4:00 PM Organized by Centre

- for E-Learning and Teaching Excellence (CELTE), Punjabi University, Patiala.
7. “Research in Higher Education in the Perspective of NEP 2020” on 29-05-2021 from 11:00 AM to 01:00 PM Organized by Centre for E-Learning and Teaching Excellence (CELTE), Punjabi University, Patiala.
 8. Participated in National One Week Faculty Development Programme on “ICT Tools for Effective Teaching and Learning” held from 23rd to 28th May 2022, organized by the Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur, India.
 9. “Effective introduction journal writing” on 18/02/2022 Organized by Internal Quality Assurance Cell (IQAC) in Collaboration with London Business University, Singapore held on 18th February 2022.
 10. “Writing Effective and Quality Research Papers, How to Publish in Scopus, SCI Listed and reputed Journals?” on 25 - 29, January 2022 organized by the Department of Industrial & Production Engineering, Guru Ghasidas Vishwavidyala (A Central University) Bilaspur (C.G).
 11. “Systematic Approach for Writing Research Papers: Indexing and Citations” on 9 February 2022 organized by the Department of Computer Science & Engineering, Baba Banda Singh Bahadur, Engineering College, Fatehgarh Sahib (Pb)
 12. 2-Weeks Refresher Course on “Environment and Disaster Management (ID)” from 10/10/2022 to 22/10/2022 organized by HRDC, Himachal Pradesh University, Shimla, sponsored by UGC.
 13. 3-Weeks Refresher Course on “Information Technology (ID)” from 22/11/2016 to 12/12/2016 organized by ASC, Punjab University, Chandigarh, sponsored by UGC.
 14. Short Term Training Program on “Android Application Development” from 12 May 2014 to 15 May 2014 (One Week) organized by Computer Science Department, NITTTR, Chandigarh.
 15. Short Term Training Program on “Data Analytics Using Python” from 18 April 2022 to 22 April 2022 (One Week) organized by Computer Science & Engineering Department, NITTTR, Chandigarh.
 16. Participated in Six Days Faculty Development Programme on “Enhancing the Research Papers and Usage of Research Tools” held from 6th to 11th March 2023, organized by the Department of Computer Science and Applications, Periyar Maniammai Institute of Science and Technology, India

Administrative and Academic Affiliations:

1. Nodal Officer for NAAC
2. Member of the International Association of Engineers (IAENG) Membership No. 291651.
3. Life membership of the Punjab Academy of Sciences, (L-1102)
4. Member Board of studies for various Postgraduate and undergraduate courses
5. Member of other various departmental committees such as ACD Committee, MST in

charge, Documentation Committee, Women Empowerment Cell, etc.

Award Received, Book & Patent:

- Indo-Thai Academic Award 2019 (Best Educators) "2nd International award conference on Review, Research and Evaluate on 21 September 2019" Organized by the International Association Research and Developed Organization.
- Fundamentals of R programming: Notion Press, 2022, ISBN: 979-888733715-9
- 5G Industrial IoT enabled Cloud Manufacturing Security Service Architecture based on Fog Computing and Blockchain, Intellectual Property India, Application Number- 202211031970

DATE:

BALWINDER KAUR