

BIO-DATA



- 1. Name** : Dr. Nirmal Kaur
- 2. Designation** : System Manager
- 3. Department** : Education Department,
Punjabi University,
Regional Centre, Bathinda
- 4. Date of Birth** : 08.07.1983
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6. Academic Qualifications

- ❖ AMIE in Computer Engineering from Institution of Engineers, Kolkata (IEI)
- ❖ M.Tech. in Computer Engineering from Yadwindra College of Engg., Punjabi University, Patiala
- ❖ Ph.D. in Computer Science & Engineering.

7. Membership of Professional Bodies/Organizations:

Member of Institution of Engineers India (IEI).

8. Details of Experience:

S.No.	Name of the Employer	Position Held	Duration
1.	Punjabi University Neighbourhood Campus, Karandi	System Analyst	26-10-2006 to 21-11-2013
2.	Punjab University Campus, Maur	Senior System Analyst	22-11-2013 to 21-06-2020
3.	Education	System	22-06-2020

	Department, Regional Centre, Bathinda	Manager	To Till Date
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9. Published Work

- **Teaching Experience** : PG Classes (14years) and UG Classes (17years)
- **No. of Paper Published** : 12
- **No. of Article Published** : 1
- **No. of workshop/Conferences attended** : 15

10.WORKSHOP/CONFERENCES/SEMINARS

Participated in various Workshops, Conferences and Seminars. List of Workshop, Conferences and seminar attended:

- Attended the Master training Program: Artificial Intelligence for Teachers on May 25, 2025 organized by EZ Education Training programs for Teachers.
- Active Participation in the National E-Conference on “Building 21st Century Skills in Education” held on 20th April 2024, organized by Council for Teachers Professional Development, India.
- Attended the workshop on “Applying Bloom’s Digital Taxonomy” under Teachers for Digital Tomorrow Program: An Online Workshop Series-2024 organised by Digital Circle, CTPD India, on 25th February 2024.
- Attended and presented paper in National Conference on Advanced Research in Engineering Science and Technology (NCAREST-2022) organized by Desh Bhagat University Mandi Gobindgarh on 24th-25thFeb 2022.
- Attended Seminar for Corporate Members Scheduled by Institute of Engineers(India) local Centre Bathinda on 11 oct 2021.
- Attended an Expert talk on "PhD Research Guidance" by Gujranwala Guru Nanak Institute of Management and Technology on 9 july 2021.
- Attended one week STTP on "Data Science and Big Data Analysis" sponsored by AICTE from 7 June 2021-12 June 2021.
- Attended an Expert talk on "Cyber Security in the Era of Digital Transformation" organized by GGN Institute of Management & Technology, Ludhiana on 5 June 2021.

- Two- days Online Capacity building Program organized by Centre for E-Learning and Teaching Excellence, Punjabi University Patiala from 31 July 2020.
- Two- days Extensive workshop on "Introduction to MATLAB" organized by Progressio Alas on 4-5 July 2020.
- Member of Technical Program Committee of SCOPUS Indexed International Conference on Computing for Sustainable Global Development to be held at Bharti Vidyapeeth, New Delhi (India) scheduled on 12th – 14th March, 2020.
- Participated in Short Term Course on “Engineering Today”, organized on January 7-11, 2019 at Yadavindra College of Engineering, Talwandi sabo.
- Participated in Faculty Development programme held from 15th December, 2018 to 22nd December, 2018 at Desh Bhaghat University, MandiGobindgarh.
- Organized an extension lecture on the topic “CONTEMPORARY DEVELOPMENTS AND ADVANCES IN RESEARCH & TECHNOLOGY”, conducted by and held at Department of Computer Science, Punjabi University Campus, Maur, Punjab, India on 21 st November, 2018.
- One day Technical Workshop on “Sensors in Everyday life” held in premises of The Institution of Engineers(India) Punjab & Chandigarh State Centre Engineers Bhawan, Madhya Marg, Chandigarh on 5th October,2016.
- One day Technical Training on Mobile App by BUBBLE MOTION RESEARCH AND DEVELOPMENT INDIA PVT LTD.,Panchkula Haryana and Punjabi University, Patiala on 27 Jan 2016.
- One day Technical Workshop on “Microsoft Product and Licensing Schemes” on August 28,2015 at UGC-HRD Centre, Punjabi University Patiala.
- One Day Technical Workshop on “Printing, Copier and Scanning Devices” Organised by Academic Staff College, Punjabi University, Patiala on September 12, 2014.
- Two days Technical workshop on “NPTEL(National Programme on Technology Enhanced Learning)” organized by IIT Madras conducted on 7-8 Feb,2014.
- Seminar on Women Empowerment and Road Safety on 10Dec 2013,organized by Punjabi University Campus, Maur(Bathinda)

- Two-Day National Conference on latest advancements in Science, Engineering and Research, LASER 11 (May 25-26, 2011) organized by Baba Farid College of Engineering & Technology

List of Publications:

- Paper Published on title “Automatic Detection of Glaucoma Images Employing CDR Computation and Bayesian Regularization Algorithm”. Journal of Data Acquisition and Processing, Volume 38(2) Year 2023, ISSN: 1004-9037.
- Research paper presented on topic “ Utilization of Digital Health to strengthen access to Glaucoma Care for Digital Transformation and Sustainability ” in Two Days Conference organized by Department of Business Studies, Guru Kashi Campus, Talwandi Sabo on 14th June 2023.
- Research paper presented on topic “ Glaucoma and Aging: Review of Glaucoma Detection Techniques for human health and well being” in Two Days Conference organized by Mehar Chand Mahajan DAV college for women Sector 36- A Chandigarh on 26th & 27th May 2023.
- Paper Published on title “Analysis of Segmentation and Classification Techniques for Detection of Glaucoma”, Journal of Postive School Psychology, Scopus Indexed, Vol-6 Issue-4, ISSN:2717-7564 (Online), 15 April 2022.
- Research paper presented on topic “ Analysis of Retinal Images for Detection of Glaucoma using Image Processing Techniques” in National Conference on Advanced Research in Engineering Science and Technology (NCAREST-2022) organized by Desh Bhagat University Mandi Gobindgarh on 24th-25th Feb 2022.
- Paper Published on title “Image Enhancement, De-noising and Feature Extraction of Glaucoma Fundus Images”, Design Engineering Research Journal ISSN: 0011-9342 | Year 2021 Issue:9 | Pages: 14900-14919.
- Paper Published on title “A Survey on Glaucoma Detection Employing Image Processing and Machine Learning Based Techniques”, Design Engineering Research Journal ISSN:0011-9342 | Year 2021 Issue: 7 | Pages: 15816-15829.
- Paper Presented and Published on the Topic “ A Vision of IOT Applications, Challenges and Opportunities” in National Conference held on 25 April 2017 at Nehru Memorial Government College Mansa (Punjab).
- Paper Published on “Cyber Crime and Cyber Security” in International Journal of Engineering, Research and Sport Science in Volume 12, Issue 2 (Feb 2015). ISSN No. 2348-1404(Online).

- “A PostProcessing Technique for Compression Artifact Removal in Images” International Journal of Advances in Engineering Sciences Vol.4, Issue 2, April, 2014,e-ISSN: 2231-0347.
- “Integration of Indian Economy to World Economy and Impact of Information Technology on Indian Economy” International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 10, October 2014, ISSN: 2277 128X, pp. 645-648.
- Paper Presented and published on the topic “Compression Artifact Removal Post processing Technique used in Images” in Two-Day National Conference on latest advancements in Science, Engineering and Research, LASER 11 (May 26-27, 2011) organized by Baba Farid College of Engineering & Technology ,Bathinda.