

Kamaljeet Kaur Mangat
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B-302 Ivory Towers,
Sector 70, Mohali.
Punjab, India.

Educational Qualification:

| Name of Degree | University | Year of Passing |
|---------------------------|-----------------------------|-----------------|
| M.Tech – I.T. | Punjabi University, Patiala | 2005 |
| B.Tech – Computer Science | Punjabi University, Patiala | 1995 |

Currently pursuing PhD from University College of Engineering , Punjabi University Patiala.

Work Experience: Around 16+ year of teaching and 8 years of Industry experience.

Teaching Experience:

Taught computer Science and Engineering subjects for M.Tech, MCA,MBA, B.Tech, BCA, BSc(AI&DS) ,BSc(CSM), FYIP courses.

March 2023 till date : Working as Assistant Professor at Punjabi University Centre for Emerging and Innovative Technology.

July 2021-March 2023: Worked as Assistant Professor at Department of Statistics, Punjabi University Patiala.

August 2007 – July 2021: Worked as Assistant Professor at Punjabi University Regional centre for IT and Management Mohali.

Feb 2006 – August 2007: Worked as Lecturer at Shaheed Udham Singh College of Engineering and Technology, Tangori, Mohali.

May 1995-June 1996: Worked as Computer Instructor at Sun Flower Computer Centre, Patiala

Industry Experience:

Worked as Deputy Manager with e-bank Bank of Punjab Ltd from July 1996 till June 2004. Handled IT(DBA , MIS, In-house Software Development, Trouble-shooting , Networking) and Banking operations

M.Tech Students Guided: 25

Courses/Training Attended:

- AICTE-ISTE approved course on “Internet of Things and Applications” from 9th Dec 2021 to 15th Dec 2021 organized by Engineering College Bikaner, Rajasthan.
- One Week online Workshop on “LaTeX for Scientific Writing” from 1st March 2021 to 7th March 2021 by Guru Jambheshwar University of Science and Technology, Hisar.
- Refresher on “Advanced Research Methodology-Tools and Techniques” from 30 Jan 2021 to 14 Feb 2021 by Teaching Learning Centre, Ramanuj College, University of Delhi.
- FDP on “Introduction to Machine Learning and Research” (Concepts and Practical use) from 10th October 2020 to 18th October 2020 by MHRD Teaching Learning Centre, Ramanuj College & DCS, Ram Lal Anand College, University of Delhi.
- Two-Day online Capacity Building program on “Basic Tools and Techniques for Online Teaching” on 25-26 July 2020 by Centre of E-learning and Teaching Excellence Punjabi University Patiala.
- Online AICTE recognized FDP on “Neural Network and CNN” from 9th April 2020 to 16th April 2020 by NITTTR, Chandigarh
- 8 -week course for NPTEL online Certification in “Data Mining” during Feb-Mar 2018
- 8- week course for NPTEL online Certification in “Cloud Computing ” during Aug-Oct 2017
- STC on “Artificial Neural Network and Fuzzy Logic” through ICT from 24th April 2016 to 28th April 2016 at NITTTR Chandigarh.
- STC on “Cloud Computing” through ICT from 5th Dec 2016 to 9th Dec 2016 at NITTTR Chandigarh
- STC on “mobile computing” from 18.04.2016 to 22.04.2016 at NITTTR Chandigarh
- SERB (DST)-sponsored Workshop on “Research Methodology ” organized by department of computer Science and engineering at BBSBEC, Fatehgarh sahib from 14th Dec to 18th Dec 2015
- STC on “ Web Based Designing “ from 20th April 2015 to 24th April 2015 at NITTTR, Chandigarh
- Refresher course in ‘Science and Engineering’ at Panjab University from 12th May 2015 to 1st June 2015
- International Summer school on Machine Learning and Data Analytics from 3rd June 2014 to 13th June 2014 at Thapar University Patiala
- Short Term Course on “Cyber Security Measures through ICT” from NITTTR, Chandigarh from 24th March 2014 to 28th March 2014
- Short Term Course on “Soft Computing using Sci-Lab” from NITTTR, Chandigarh from 27th May to 31st May 2013
- 94th Orientation course from Academic Staff College, Panjab university Chandigarh from 3 May 2012 till 30 May 2012.

Sessions Organized:

- Coordinator for 30-Hour Value Addition Program on “Computing in Everyday Life” from 6th May to 6th June 2022 at Department of Statistics, Punjabi University, Patiala.
- Resource person for session on ‘MS-Office Skills’ in 30-Hour Value Addition Program on “Computing in Everyday Life” during May 2022 at Department of Statistics, Punjabi University, Patiala.
- Coordinator for Life Skills Session on “Yoga & Health” on 10th May 2022 at Yoga Hall, Physical Education Department by Department of Statistics, Punjabi University, Patiala.
- Organized Special Session on “Advancement in Machine Learning and IoT Techniques” as a TPC Member in INDIACom-2019 from 13-15th March 2019.
- Organized Special Session on “Advancement in Renewal Energy Systems for sustainable Environment” as a TPC Member in INDIACom-2018 from 14-16th March 2018.

Conference Proceedings:

- Kamaljeet Kaur Mangat, “ A study of Web Information Retrieval and E-content Searching System” presented at 12th INDIACom:2018 5th International Conference on computing and Sustainable Global Development from 14-16th March 2018 at BVICAM New Delhi.
- Kamaljeet Kaur Mangat, Amandeep Verma, “An abstract model for e-content search using ontology” presented at IEEE International Conference on intelligent computing and control systems(ICICCS 2017) on 15-16 June 2017 at Madurai, India. IEEE Xplore ISBN 978-1-5386-2745-7
- Bharti Sharma, Kamaljeet Kaur Mangat, An Improved Nucleus Segmentation for Cervical Cell Images using FCM clustering and BPNN, International Conference on advances in computing, communications and informatics (ICACCI) 21st to 24th September 2016, Pages 1924-1929 , IEEE Xplore ISBN: 978-1-5090-2029-4, Jaipur.
- Shiva Mehta, Kamaljeet Mangat, Himanshu Jindal, Procreation of Hierarchical Routing using AODV, presented in International conference on emerging trends in engineering and technology , held on 16th August 2015 at Chandigarh and published in International Journal of Engineering research in computer science and Engineering (IJERCSE) vol2, issue8, August 2015 Available online at www.ijercse.com

Journal Publications:

- Kamaljeet Kaur Mangat, Amandeep Verma “A study of Web Information Retrieval and E-Content Searching Systems in International Journal on Advanced Research in Engineering

and Technology (IJARET), Volume 11, Issue 8, August 2020, pp. 258-265; ISSN Print: 0976-6480 and ISSN Online: 0976-6499.

- Amandeep Verma, Amardeep Kaur, Kamaljeet Kaur “Theory of Ontological Engineering” in International Journal on Computer Science and Engineering(IJCSE) , Vol:9, No:6, pages: 397-402 June 2017. ISSN: 0975-3397 www.enggjournals.com/ijcse pages: 397-402
- Shilpa, Kamaljeet Kaur Mangat, Proficient and secure routing approach for wireless mesh network, IRACST-International Journal of computer Science and information technology & Security(IJCSITS) ISSN: 2249-9555, Vol.6, No 4, July-August 2016 Pages 20-25
- Bharti Sharma, Kamaljeet Kaur Mangat, Various Techniques for Classification and segmentation of cervical Cell Images- A review, International Journal of computer Applications (0975-8887), volume 147,No.9,August 2016.
- Guntaas Kaur, Kamaljeet Mangat, Load balancing in cloud computing using biogeography based optimization, IRACST-International journal of Computer science and information technology & security(IJCSITS), ISSN: 2249-9555, volume 5, No4, August 2015, page 332-338 Available online at www.ijcsits.org
- Sanyam Gawri, Kamaljeet Kaur Mangat, Load Balancing in cloud computing using Bacterial Foraging Algorithm, International journal of Engineering Technology and Computer Research (IJETCR),ISSN 2348-2117 Available online at www.ijetcr.org, volume 3;issue 4; July-August 2015, page 237-241
- Shweta Yadav, Kamaljeet Kaur Mangat Design of Rank based reusable component retrieval algorithm in International Journal of Advanced Research in Computer Science and Software Engineering , IJARCSSE, Volume 3, issue 11, Pages 850-857 , November 2013. Available at _www.ijarcsse.com, ISSN:2277 128X