

## **Resume of Ms. Parminder Kaur**

Name	Ms. Parminder Kaur
Date Of Birth	10/01/1976
Highest Qualification	BE (CSE) passed in 1997 from Pune University ME (CSE) passed in 2008 from Dr. B.A.M.U. Ph.D. Final Synopsis submitted

### **Total Work Experience of 21 years**

#### **Present Designation: Placement Head, JNEC**

Jawaharlal Nehru Engineering College, Aurangabad (JNEC).

Working since: September 2001

Designation: Associate Professor

#### **Past Work Experiences**

Bharati Vidyapeeth College of Engg. Pune

Worked from August 1999 to July 2001

Designation: Lecturer

Bharati Vidyapeeth College of Engg. Navi Mumbai

Worked from Jan 1998 to July 1999

Designation: Lecturer

#### **Memberships**

1. Senior Life Member of Computer Society of India (CSI)
2. ISPRS member
3. Life Member of Indian Society of Remote Sensing (ISRS)
4. IAENG member

#### **Research Area:**

Remote Sensing, Satellite Image Processing, Deep learning, Machine learning, Design and Analysis of Algorithms

#### **Books Published**

- Author of a textbook on “Data Structures Using C”.

#### **Awards/Recognition**

1. Reviewer for Taylor and Francis Journal of GIScience and Remote Sensing.
2. Awarded Career Guru of the Month by Aspiring Minds, 2018.
3. Awarded Distinguished Associate Professor award at TechNext India 2017.
4. Chairperson, Aurangabad Chapter – CSI (Region –VI).
5. Have been awarded with Longest Continuous SBC Award at CSI Annual Convention for the year 2015-2016.
6. Have been awarded with Longest Continuous SBC Award at CSI Annual Convention for the year 2014-2015, 2013-2014, 2012-2013.
7. Have been awarded with Significant Contribution Award at CSI Annual Convention for the year 2011-2012, 2010-2011.
8. Awarded Best Student Branch of CSI at JNEC for year 2015-16, 14-15, 13-14, 12-13, 11-12 & 10-11 under SBC tenure.

### **Papers Presented in Journal, International / National Conferences**

1. Parminder Kaur Birdi, Karbhari Kale (2019). Accuracy Assessment of Classification on Landsat-8 Data for Land Cover and Land Use of an Urban Area by Applying Different Image Fusion Techniques and Varying Training Samples. Springer Nature Singapore Pte Ltd. 2019, G. Panda et al. (eds.), Microelectronics, Electromagnetics and Telecommunications, Lecture Notes in Electrical Engineering 521, [https://doi.org/10.1007/978-981-13-1906-8\\_21](https://doi.org/10.1007/978-981-13-1906-8_21)
2. Kaur, P., & Kale, K.V. (2018). Deep convolutional neural network models for land use and land cover identification using dataset created from LISS-IV satellite images. International Journal of Scientific Research in Computer Science, Engineering and Information Technology. Vol. 3(3), pp. 2123-2134, Mar- April 2018.
3. Parminder Kaur Birdi, Karbhari Kale (2018). Enhancement of Land Cover and Land Use Classification Accuracy Using Spectral and Textural Features of Fused Images. Springer Nature Singapore Pvt Ltd 2018, Volume 876 of the Communications in Computer and Information Science series.
4. Kaur, P., & Kale, K.V. (2017). Identification of growth stage of sugarcane crop using decision tree for Landsat-8 data. *Proceedings of 38<sup>th</sup> Asian Conference on Remote Sensing (ACRS). New Delhi*
5. Prashant D Ingle, Parminder Kaur. (2017). Adaptive Thresholding to Robust Image Binarization for Degraded Document Images. IEEE Xplore Digital Library, ICISIM International Conference.
6. Supriya Thakare, Parminder Kaur. (2017). Denial-of-Service Attack Detection System. IEEE Xplore Digital Library, ICISIM International Conference.
7. Amrita Birla, Parminder Kaur. (2017). Best Keyword Cover Search Analysis. IEEE Xplore Digital Library, ICISIM International Conference.
8. Tanvi Kadam, Parminder Kaur. (2018). Enhanced Approach of Using Custom Heuristic Rules with Standford and Naïve Bays Classification Technique. ICACCT, IEEE ISBN: 978-1-5386-092.
9. Tanvi Kadam, Parminder Kaur. (2018). Aspect-Opinion Identification and Classification Using Custom Heuristic rules. International Journal of Computer Science and Engineering, E-ISSN: 2347-2693.

10. Prashant D Ingle, Parminder Kaur. (2017). A study on Image Binarization techniques for Degraded Document Image. International Journal of Advanced Technology and Innovative Research. ISSN 2348-2370 Vol. 9 Issue. 06, pp. 0949-0953.
11. Supriya Thakare, Parminder Kaur. (2017). DoS Attack Detection System based on multivariate correlation analysis. International Journal of Computer Engineering and Applications. ISSN 2321-3469. Vol XI, Issue I, Jan.
12. Amrita Birla, Parminder Kaur. (2016). A Review of Best Keyword Cover Search. Journal of Data Mining & Management. Mat Journals Vol 1 Issue 1.
13. Shubhangi Kalyane, Parminder Kaur. (2014). Driver Drowsiness monitoring based on eye & yawn detection. IJESM. IF: 2.745. ISSN : 2277-5528. July.
14. Parminder Kaur. (2011). Web Usage Mining using ART Neural Network. The International Journal, ISSN : 2251-1571. July 2011 Subscription.
15. Parminder Kaur. (2011). A Study Report on Spatial Data Mining and its application in agriculture. International Conference. Thakur College Kandivli, Mumbai.
16. Parminder Kaur. (2010). Cloud computing architecture for technical educational institutes. National Conference. Pioneer Institute of Professional Studies, Indore.
17. Parminder Kaur. (2009). Montgomery Multiplication Algorithm implementation for large key size, used for Cryptographic Applications. National Conference. JNEC.
18. Parminder Kaur. (2008). Web Usage Mining using ART Neural Network. National Conference on Emerging Trends in Engineering and Management. JSPM's Rajarshi Shahu College of Engineering, Pune.
19. Parminder Kaur. (2006). E-Governance. National Level Conference, MIT Aurangabad.

#### **Workshops/ Training Program/ Conferences / Seminars Attended**

1. 39<sup>th</sup> IIRS Outreach Programme on RS and GIS, 29 Oct -11 Nov 2018, by IIRS, ISRO Dehradun.
2. FDP on AI using deep learning and Machine Learning, 1<sup>st</sup> to 5<sup>th</sup> Jan 2019.
3. STTP on Machine Learning, 3<sup>rd</sup> to 7<sup>th</sup> July 2018.
4. 34<sup>th</sup> IIRS Outreach Programme on geospatial inputs for enabling master plan formulation for AMRUT sub scheme. 23 July – 27 July 2018, by IIRS, ISRO Dehradun.
5. 33<sup>th</sup> IIRS Outreach Programme on Advance Image Analysis. 04 Jun – 15 Jun 2018, by IIRS, ISRO Dehradun.
6. 20<sup>th</sup> IIRS Outreach Programme on Microwave radar Remote Sensing and its applications. 10 Apr – 28 Apr 2017, by IIRS, ISRO Dehradun.
7. 19<sup>th</sup> IIRS Outreach Programme on RS and GIS in Carbon Forestry. 16 Feb – 10 Mar 2017, by IIRS, ISRO Dehradun.
8. 17<sup>th</sup> IIRS Outreach Programme on Geoweb Services and Geoportal Applications. 28 Jun – 15 July 2016, by IIRS, ISRO Dehradun.
9. 16<sup>th</sup> IIRS Outreach Programme on Geospatial technologies for urban planning. 11 Feb – 15 Mar 2016, by IIRS, ISRO Dehradun.
10. 12<sup>th</sup> IIRS Outreach Programme on Microwave (SAR) Remote Sensing for Natural Resources. 03 Feb – 29 Mar 2014, by IIRS, ISRO Dehradun.
11. One-day online training-workshop on “BHUVAN-Panchayat Portal & Mobile Application for Asset Mapping” by IIRS, ISRO Dehradun on 27<sup>th</sup> July 2016.
12. 7-day workshop on “Statistical Data Analysis with R” at JNEC Aurangabad from 5<sup>th</sup> to 10<sup>th</sup> July 2016.

13. 2-day workshop on “Principles of Research Methods” at JNEC Aurangabad from 28<sup>th</sup> to 29<sup>th</sup> Dec 2015.
14. National workshop on “Matlab, Simulink and Low Cost Design using Signal and Image Processing Toolbox” at MIT Aurangabad from 16<sup>th</sup> Dec to 19<sup>th</sup> Dec 2015.
15. National workshop on “Microwave Remote Sensing”, organized by Srinivasa Ramanujan Geospatial Chair, Dr. BAMU Aurangabad from 22<sup>nd</sup> Jan till 24<sup>th</sup> Jan 2014.
16. 11<sup>th</sup> Indian Institute of Remote Sensing (IIRS) Outreach Programme on “Basics of Remote Sensing, GIS & GNSS” from 5<sup>th</sup> Aug 2013 to 04 Nov 2013 held by IIRS Dehradun.
17. Workshop on “GIS” on 3<sup>rd</sup> Sept 2011 at Dr. B.A.M.U.
18. Organized and attended IT Track of Global Maharashtra Conference in 2010, held in Aurangabad, Maharashtra from 7<sup>th</sup>- 9<sup>th</sup> Jan 2011.
19. Organized and attended National Level Conference “Emerging Trends in Computational Sciences and Information Processing” Held in JNEC Aurangabad from 1-3 April 2006.
20. Organized and attended National Conference at JNEC from 9<sup>th</sup>- 10<sup>th</sup> Jan 2009.
21. ISO Training Program in Sept 2006 and work as ISO coordinator every year.
22. Workshops on “Wavelets”, Apache, PHP, MySql, Language processing,

### **Administrative Exposure:**

1. Placement Head, JNEC Aurangabad from 2018-19.
2. Staff Convener for Swayambhu-2019 and Swayambhu-2018 Technical Student convention.
3. IQAC member at JNEC Aurangabad.
4. TEQIP-III coordinator for workshop on Project Management- The industrial and research approach, August 2018.
5. Program Advisory Committee member, IT Dept, JNEC Aurangabad from year 2018-19.
6. Quality Assurance Cell (NBA) coordinator/ Co-coordinator/ team member of the college since 2012.
7. Technical Program Committee In-charge for IEEE- International Conference, ICISIM at JNEC Aurangabad. 2017.
8. Syllabus Design Committee in-charge for TE CSE/IT at Dr. BAMU Aurangabad for the year 2013-14.
9. Designed syllabus for DAA, DS, OOMD and RS & GIS for curriculum updates at Dr. BAMU, Aurangabad.
10. Staff Convener for Region-VI Student convention- AGNITIO for year 2014-15, 2013-14, 2012-13, 2011-12 & 2010-11, wherein 2000 plus students participated in twelve technical activities.
11. Faculty coordinator, First Year Induction program at IT department for year 2017-18 and 2018-19.
12. Major Project Incharge at IT department for year 2017-18 and 2018-19.
13. Coordinator for Academic matters at CSE department for year 2014-15, 2015-16 and 2016-17.
14. Student Council In charge for the year 2011-12, 2012-13, 2013-14 & 2014-15.
15. Attended program by CII for industry academia interaction on 26<sup>th</sup> July 12.
16. Program Advisory Committee member, CSE Dept, JNEC Aurangabad for year 2016-17

17. Director – Student branches at CSI Aurangabad Chapter from 2010- 2014.
18. Student Branch Counselor of JNEC Student Branch CSI from 2009- 2017.
19. Training and Placement In charge for five departments of the college for 5 years, (2006-2011).
20. Held the post of Director – student branches at Computer Society of India, Aurangabad Chapter. 2010-11.
21. Signed a MOU with Tech Mahindra as a part of Industry-Institute interaction.
22. Arranged various lecture talks by eminent speakers from industry & alumni.
23. Organized workshop on “LINUX” & “LAMP Framework” for the department.
24. Worked in various committees for organizing workshop on “Bioinformatics”.
25. Organize a contest on Data Structure “Stack Overflow” every year, since last 3 years.
26. Organized 2- day workshop on “Personality Development Program” 2005, 2006, 2007, 2009 and 2010.
27. Prepared and gave a presentation on “Education System in India” for German managers.
28. Have been actively involved in organizing various events for students during their social gatherings.
29. Worked in various committees for National Level Conference “Emerging Trends in Computational Sciences and Information Processing” Held in JNEC from 1-3 April 2006.

### **Academic Details**

- Passed SSC with 76% in year 1991 from CBSE board.
- Passed HSC with 78% in year 1993 from CBSE board.
- Passed BE (Comp) with 62% in year 1997 from Pune University.
- Passed ME (CSE) with 79.03% in year 2008 from Dr. B.A.M.U.
- Pursuing Ph.D. from Dr. BAMU Since July 2013

### **Strengths:**

- 1) Keen learner
- 2) Methodical and detail oriented
- 3) Team leader and effective communicator