Curriculum Vitae

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Name: Dr. Ranjana Santosh Kale

**Address**: Meeranagar, Padegaon, Aurangabad

**E-mail:** ranjana.kale@mit.asia

**Date of Birth**: 27-12-1984

**Academic Credentials**

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| **Class/****Degree** | **Specialization** | **Institution** | **University** | **Year** | **%/CGPA** | **Class** |
| PhD(FT) | CSE (Remote Sensing) | Dr. BAMU | Dr. BAMU | 2022 | NA | Awarded |
| ME(CSE) | CSE | GECA | Dr. BAMU | 2011 | 82.83 | Distinction |
| BE(CSE) | CSE | JNEC | Dr. BAMU | 2006 | 65.32 | First |
| HSC | NA | SBESA | Pune | 2002 | 88.83 | Distinction |
| SSC | NA | SMGHA | Pune | 2000 | 82.16 | Distinction |

**ME(CSE)**

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| **Title** | **“Automated Classification of fMRI Data”** |
| **College** | **Government College of Engineering** |

**Ph. D (CSE)**

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| **Title** | **Surface Mineral Mapping using Remote Sensing and GIS Data** |
| **Guide** | **Dr. Abhilasha Mishra, Prof. (Dr.) R. R. Deshmukh** |
| **University** | **Dr. Babasaheb Ambedkar Marathwada University Aurangabad** |
| **Completed on** | **05-11-2022** |

Key Research Areas: Remote sensing, Machine Learning, Image processing, Minerology, Soft Computing, Programming, Data mining and analytics, Hadoop Administration, Big data Computing, etc

**Experience**

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| Sr. No. | Organization | Post | From-To | No. of Years |
| 1. | Maharashtra Institute of Technology | Assistant professor | 21-Apr-2022  | (6 months) Current |
| 2 | Dr. B.A.M. University | Research Experience | 1 July 2018 to 2022 | 4 years |
| 3. | MIT(E), MIT(P) Aurangabad | Assistant professor  | 1st Aug 2013 to Nov 2018 | 5 years, 4 Months |
| 4 | Savitribai Phule Women’s Engineering College, Aurangabad | Head of the department and Assistant Professor (UGC Approved) | 25th June 2010 to 31 July 2013 | 3 years 1 month |
| 5 | Government Engineering College, Aurangabad | (Full Time) Lecturer  | 15 Sept 2008 to 24 Jun 2010 | 1 year 9 months |
| 6 | Shivaji College, Kannad, Aurangabad | (Full Time) Lecturer  | 10 Jun 2006 to 02 Aug 2008. | 2 years 1 month |

**List of Courses Taught/Teaching at UG level:**

* Machine Learning
* Data Mining and Data Warehousing
* Soft Computing/ ANN
* Database Management System
* Theory of computation/ Formal Languages and Automata Theory
* Digital Electronics
* Discrete Maths
* Advanced Algorithms
* PECS, Computer networks
* Web programming languages
* Computer Graphics

**List of Courses Taught/Teaching at PG level:**

**Additional Assignments/Duties:**

* Worked as Head of the department
* Worked as NBA coordinator
* Worked as project Coordinator
* Worked as Term Work Coordinator
* Worked as Class Test Coordinator
* Worked as US for Dr. BAMU Exam

**Membership of Professional Bodies:**

* **Lifetime ISTE**

**Research Projects/Projects Guided:**

* Database Watermarking, smart wheelchair project, Dehazing of satellite images, smart signal Monitoring, etc

**Computer/Software Proficiency:**

* C, C++, Hadoop Cloudera, AWS, Javascript, MATLAB, Python, Data Mining and Analytics, SQL/ Oracle

**Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended:**

* WORKSHOPS ATTENDED
* ORGANISING WORKSHOP/CONFERENCES

**Invited talks delivered**

**Projects, Research Grants and Consultancy**

**Intellectual Property Rights**

* Title of the work: Hyperion Bands Classification, Description: Development of a python module for bad band identification from the image bands as a preprocessing technique

Date of Application: 07/03/2022 , Registration number SW-15572/2022, Dated 07/07/2022

**List of Research Publications**

* **Papers in International Journal/Conferences**
* **1. Ranjana Gore, Abhilasha Mishra, and Ratnadeep Deshmukh, “Exploring the Mineralogy at Lonar Crater with Hyperspectral Remote Sensing,” J. Geol. Soc. India, Vol. 97, No. 3, Pp. 261–266, 2021, Doi: 10.1007/S12594-021-1676-4. (Scopus, SCI)**
* **2.Ranjana W. Gore, A. D. Mishra, R. R. Deshmukh, I. B. Abbasov, And P. U. Randive, “LULC-Analysis of Land-Use with The Help of Unsupervised Classification,” Izv. Sfedu. Eng. Sci., Vol. 4, No. 93, Pp. 184–192, 11-10- 20. (SCI)**
* **3.Ranjana Gore, A. Mishra, And R. Deshmukh, “Mineral Mapping at Lonar Crater Using Remote Sensing,” Journal of Scientific Research, Vol. 64(2), pp. 1-7, June 2020. (UGC appr.)**
* **4. Ranjana W. Gore, S. Kasar, and Abhilasha Mishra, “Mineral Mapping and Lithological Discrimination Using Remote Sensing In Indian Region: A Review”, International Conference on Innovations in Engineering, Technology and Sciences (ICIETS), IEEE, 20 and 21 September 2018, NIE Institute of Technology, Mysuru.**
* **5.** Ranjana Gore, Abhilasha Mishra, and Ratndeep Deshmukh, “Hyperspectral Image Classification Using Machine Learning”, in Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence (DSMLAI’21’), 9-12 August, Association for Computing Machinery, New York, NY, USA, Pp. 261-265, 2021.
* **6. Ranjana Gore, Deepa Deshpande, “Voting Method for AQI Prediction and Monitoring Air Pollution using Real-Time Data”, International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing, organized by MGM's Jawaharlal Nehru Engineering College Aurangabad, Maharashtra, IEEE, 30-31 Oct 2020.**
* **7. Ranjana Gore, Deepa Deshpande, “**[**An approach for classification of health risks based on air quality levels**](http://ieeexplore.ieee.org/abstract/document/8122148/)**”, 2017 1st International Conference on Intelligent Systems and Information Management (ICISIM), IEEE, pp. 58-61, 05-06 October, 2017.**
* **8. Nagori M.B., Gore Ranjana W., Dr. Madhuri Joshi, “**[**Dynamic Causal Modelling for Schizophrenia**](http://ieeexplore.ieee.org/iel5/5996360/6008470/06008504.pdf)**”, International Symposium on Humanities, Science and Engineering Research, Kuala Lumpur, Malaysia, IEEE, pp. 78-83, 2011.**
* **9. Ranjana Gore, Deepa Deshpande, “**[**Air Data Analysis for Predicting Health Risks**](http://ijcsn.org/IJCSN-2018/7-1/Air-Data-Analysis-for-Predicting-Health-Risks.pdf)**”, International Journal of Computer Science and Network, Elsevier, Vol. 7(1), pp. 36-39, 2018.**
* **10. Gore Ranjana Waman, “**[**Mineral Mapping in the Region of Lonar Sarovar**](http://www.ijccr.com/July2016/9.pdf)**”, International journal of Computing and Corporate Research, Vol. 6(4), pp. 1-5, 2016.**
* **11.Gore Ranjana Waman, Rucha Tare, “**[**Database Watermarking Using SHA 512 Signature Generation Technique**](http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.439.1964&rep=rep1&type=pdf)**”, International Journal of Computer Science and Information Technologies, Vol.5 (3), pp. 4065- 4068, 2014.**
* **12. Gore Ranjana Waman, “**[**Automated Classification of Schizophrenia with Neural Networks**](http://www.academia.edu/download/37608635/ijcst_my_paper.pdf)**”, International Journal of Computer Science and Technology, Vol 4(1), pp.594-597 , 2013.**
* **13. Gore Ranjana W, Dharmadhikari Dipa, “**[**Classification of Schizophrenic and Controls using fMRI Data**](https://www.ijccr.com/September2011/4.pdf)**”, International Journal of Computing and Corporate Research, Vol. 1(2), pp. 1-15, 2011.**

**NPTEL Certification**

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| Start Date | End Date | Duration (in weeks) | Course Name | Marks  | Performance |
| 2019 | 2019 | 8 weeks | python for Data Science | Elite | Elite |

Date: 06-12-2022

Place: Aurangabad