Name of Teaching Staff	Dr. Surekha Ravindra Janrao
Designation	Assistant Professor in K.J.Somaiya Institute of technology, Sion,Mumbai
Department	Computer Engineering
Date of Joining the Institution	18/7/2023
Area of Interest	Machine Learning, Artificail Intelligence,Data Science
Research ID	https://orcid.org/my-orcid?orcid=0000-0002-7142-4957 https://www.scopus.com/authid/detail.uri?authorId=57240846900 https://publons.com/researcher/4784870/surekha-janrao
Email ID/contact	sarthakj.janrao@gmail.com 9594060927/8169335014

Qualifications:
1. Ph.D. (Computer Engineering), Mumbai University, 2023.
2. M.E. (Computer Engineering), Mumbai University, 2014.
3. B.E. (Computer Engineering), Mumbai University, 2006.

Total Experience in Years: 16(14 years Teaching and 2 years Industry)

- Assistant Professor, K. J. Somaiya Institute of Technology, Mumbai, from 18.7.2023 to till date.
- Assistant Professor, D. J. Sanghvi College of Engineering, Mumbai, from 01.12.2022 to 17/7/2023.
- Assistant Professor, Terna Engineering College, Navi Mumbai, 21.10.2010 to 30.11.2022 Lecturer in Terna Polytechnic, Navi Mumbai, 6.7.2009 to 20.9.2010.
- Software Engineer in Shawman Software PVT. LTD., Navi Mumbai, MBP, 15.3.2007 to 15.3.2009.

Courses Taught:
- Data Science (PG)
- Artificial Intelligence and Soft Computing (UG)
- Machine Learning (UG)
- Cloud Computing (UG)
- Data Warehouse and Mining (UG)
- Database Management System(UG)

Projects Guided:
- B.E. Project: 36
- M.E. Project: 01(As a Co-Guide)
- AI For Youth by Intel
- CREATIVE IDEAS & INNOVATION IN ACTION

Academic Duties:

- Currently Acting as a Exam Coordinator,Proctor Coordinator,AI for Youth Coordinator,NBA Criteria 3 coordinator,DQC coordinator Track coordinator for International Conference(ICETS-2025)
- Judge for International level project coordinator INTECH-2025.
- Worked as a committee member for Syllabus Setting for AISC subject in 2019.
- Worked as a convener for Paper setting for Distributed Database in 2020-2021. Worked as a University Exam Coordinator in the year of 2021.
- Worked as a Mini Project Coordinator in the year of 2022.
- Acting as a SPOC for Robotic Process Automation (RPA), UI PATH academic Alliance 2021-22.
- Acting As a coordinator for Innovative Product Development.
- Judge for national level project competition in AVALON-2014.
- Judge for national level technical paper competition in AVALON-2015.
- Worked for making college prospects 2015.
- Conducted two days NS2 Workshop for Third Year Computer students in SH-2014.
- Worked for making college prospects 2015.
- Worked as Academic Program Committee member 2015.
- Working as Departmental Exam Coordinator from 2016 onwards.
- Worked as an Organizing Committee member in CONVOCATION Function 2017. Online Cap In charge Responsibility 2017.
-

Interaction with Professional and Research Institutions:

- Acting as a IA ambassador in Institute Innovation Cell from 2023 to 2025.
- Acting as a AI for Youth coordinator at the institute level.
- Acting as a Board member for the AS Computer Sciences journal.
- Acting as a Reviewer for IEEE paper in the International Conferences.
- Acting as a Reviewer for IEEE Transactions on Knowledge and Data Engineering.
- Acting as an Innovation Ambassador for Institutions Innovation Council of India.
- Received Best India Research Award for UK-based patent Grant.
- Certified in AWS Cloud Foundation Course in Machine Learning.

Workshop, lecture series & Conferences Conducted:

- Conducted International Level Project Competiton.
- Conducted One Week FDP on Generative AI.
- Conducted Technogenesis as a National Level Poster Competition
- Conducted two days NS2 Workshop for Third Year Computer students in SH-2014.
- Worked as a Convener for conducting Research Talk in the year of 2020. Acting as a Committee member for IIPC project on Flooding.
- Worked as co-coordinator for Two week ISTE workshop on Network.
- Guest Lecture conducted on "Wireless Sensor Network" held on 31st March, 2022, St.

John College of Engineering and Management (SJCEM).

- Certified in AWS Cloud Foundation Course in Machine Learning.

Patent:

1. **Patent Number: 6308276**

Type of Patent: International Design Patent

Title of Invention: UGV Drive Smart Precision Agriculture Robot

Term of Patent: 6 September 2028

2. **Patent Number: 202321031427**

   Type of Patent: Indian Patent

   Title of Invention: AN IOT BASED DIGITAL AUTO VENDING FILE PROCESSING SYSTEM

   Term of Patent: NA(As patent has been published but grant is in process)

3. **Patent Number**: 20211105968
   Type of Patent: Innovation patent granted by Australian Government (IP Australia)
   Title of the Invention: "A System and method for conglomerate crop recommendation using ensemble multi-label learning"
   Term of Patent: Eight years from August 19, 2021.

- Surekha Janrao and Lata Ragha, "FITM: FEROM Informal Text Mining", International Journal of Advanced and Innovative Research, Volume 2, Issue 11, November 2013. 2. Surekha Janrao and Lata Ragha, "Personalized Image Search Optimization", International Journal of Advanced and Innovative Research, Volume 2, Issue 10, October 2013. 3. Ms.Nayana P Vaity,Ms. Surekha Janrao,Ms.Randeep Kaur "Efficient communication approach in Vehicular PKI", International Journal of Engineering Trends and Technology (IJETT) – Volume 18 Number 5 – Dec 2014.
- Surekha Janrao,Mr. Anirudh Saha, Ms. Sukanya Wavhal,Ms. Snehal Raut, "Prediction for Diabetes and Heart Disease using Data Mining Techniques", International Journal of Science Technology & Engineering(IJSTE)-Volume 2, Issue 07, January 2016.
- Mrs. Surekha Janrao, Khemchand Singhadiya, Gunturi Naga Vyshnavy, Shreyash Mishra, "The Future Of Start-ups: Indian Crowdfunder", International Journal of Scientific Research & Engineering Trends,Volume 6, Issue 3, May-June-2020, ISSN (Online): 2395-566X.
- Mrs. Surekha Janrao, Shivani K Poddar, Kirthana Nambiar, Siddhi Saple, Nisha Roy, "Implementation of Online Lottery System", International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 05 Issue: 05 | May - 2021 ISSN: 2582- 3930.
- Mrs. Surekha Janrao, Naomi Mhatre, Palash Waghmare , Renuka Chaudhari ,Shalaka Gatibandhe, "Website for online Stock Market Trading tips analysis", International Journal of Advance Research, Ideas and Innovations in Technology, Volume 7, Issue 3 - V7I3- 1393,2021.
- Prasad D. Kadam, Riddhi S. Chavan, Aditya M. Kulkarni, Surekha R. Janrao, "AgroSys – A Crop Recommendation System", International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 05, May 2021, e-ISSN: 2395-0056, p-ISSN: 2395- 0072.
- Surekha Janrao, Deven Shah, "Performance Evaluation for Identifying Best Feature Selector and Machine Learning Algorithm for Optimizing Crop Recommendation System", 2020 IEEE Xplore, Congreso Bienal de Argentina (ARGENCON), 13 August 2020, DOI: 10.1109/ARGENCON49523.2020.9505474.**[Status: Published, Scopus Indexed]**
- Surekha Janrao, Deven Shah, "ROI Framework for ProfitableCrop Recommendation System by UsingOptimized MLPRegressor", IAES, International Journal of Artificial Intelligence, 2021. **[Status: Accepted, Scopus Indexed Q2 Category].**

Papers presented in International Conference:

Mrs. Surekha Janrao, "Survey on digital image forgery detection techniques", in online mode during the 5TH International Conference on Engineering Research & Innovations, Equinox - 2020 organized from 19TH to 20TH March, 2020 at Terna Engineering College, Nerul, Navi Mumbai.

Papers presented in National Conference:

Surekha Janrao and V. B. Gaikwad, "Mobile Reverse Auction Agent System MoRAAS", National Conference on Nascent Trends in Information & communication Technologies, Equinox, TEC,11th to13th March, 2013