Name of Faculty Dr. Sujata R. Kadu (Ph. D. in Electronics and Telecommunication**)**
Designation Assistant Professor

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Address for Correspondence:

 B-2, 8-2, Millennium Tower,Sector- 9, Sanpada,NewMumbai – 400705.

Professional Qualification:

➢ **Ph.D in Electronics and Telecommunication Engineering, 2022**
   Terna Engineering College, Nerul (Mumbai University)
➢ **Master of Electronics and Telecommunication Engineering, 2009**
   Vivekanand Institute of Technology, Chembur (Mumbai University)
➢ **Bachelor of Electronics and Telecommunication Engineering, 2003**
   Dr. Babasaheb Ambedkar Technological University,Lonere, Maharashtra

Short Biodata:

  Sujata R Kadu is an assistant professor at the University of Mumbai, Terna Engineering Collage. She received her B. Tech and M. Eng. Degree in Electronics and Telecommunication from Dr. Babasaheb Ambedkar Technological University in 2003 and Mumbai University in 2009 respectively. She is currently working toward the Ph.D. degree from the Mumbai University. Her areas of research include Signal Processing, Image Segmentation and Classification, Object-Based Image Analysis, and Multiresolution Segmentation.

Patents/ Products/ Consultancy:

Products Developed: NIL

Patents: NIL

Consultancy Projects: NIL

Reviewer:

1. Reviewed papers of the 5th Biennial International Conference on Nascent Technologies in Engineering, ICNTE-2023 organized by Fr. C. Rodrigues Institute of Technology, Vashi in

association with IEEE and IAS on January 20 -21,2023

2. Reviewed papers of the 5th IEEE - International Conference on Advances in Science & Technology (IEEE-ICAST - 2022) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, in association with University of Mumbai and Technically Sponsored by IEEE Bombay Section on 2nd and 3rd of December 2022.

Major Subjects:

> CNND, NL, SL, IoT, END, NDL, COA, Microprocessor and Microcontroller, Electronics Devices and Circuit.

Citation Analysis:

18 citations (h-index 2 and i10-index 0) in google scholar
https://scholar.google.co.in/citations?user=eXKCGisAAAAJ&hl=en

List of Publication:

Journal and Conference Publications:

Urban Tree Canopy Detection Using Object-Based Image Analysis Approach for High Resolution Satellite Imagery ,In the Proceeding of the International Conference on Advanced Technologies for Societal Applications, December 20-21,2016,ISBN 978-3-319-53556-2 (eBook) , c Springer International Publishing.

Extraction of Vegetation Using Modified K means Clustering Third International Conference on Information and Communication Technology for Intelligent Systems (ICTIS-2018) during April 6 - 7, 2018, Ahmedabad, India, papers published in Springer Book " Information and Communication Technology for Intelligent Systems"

Extraction of Urban Tree Canopy using Multiresolution Segmentation of Very High Resolution Satellite Imagery Journal of Advanced Research in Dynamical & Control Systems (ISSN: 1943-023X) Vol 11 Special Issue 08, 2019

Detection of Tree Crown from Satellite Imagery using Object Based Image Examination International Journal of Recent Technology and Engineering (ISSN: 2277-3878) Vol 08, Issue 2s10, 2019

Detection of urban tree canopy from very high resolution imagery using an object based classification

International Journal of Electrical and Computer Engineering (ISSN: 2088-8708) Vol 12, Issue 4, 2022

A Study on Federated Cloud Computing Environment International Journal of Recent Technology and Engineering (ISSN: 2277-3878) Vol 10, Issue 2, 2021

Alzheimer Forecast Analysis Using Machine Learning International Journal of Engineering and Advanced Technology (ISSN: 2249-8958) Vol 11, Issue 4, 2022

Workflow Deployment on Federated Clouds using Steiner Tree IEEE International Conference on Intelligent Computing and Control Systems (ICICCS - 2021), 6th - 8 th May 2021

A Comprehensive Review on Diagnosis of Alzheimer's disease using Ensemble Methods and Machine Learning

5th IEEE International Conference on Intelligent Computing and Control Systems (ICICCS - 2021), 6th - 8 th May 2021Springer BOOK SERIES, 'ALGORITHMS FOR INTELLIGENT SYSTEMS', Status:Published in Conference , Accepted in Book Series.Secure Data Storage And Efficient Data Retrival Over Cloud Using Sensitive Hashing

Clustering Routing Protocol for Energy Efficiency of Wireless Sensor Network using Genetic Algorithm
International Research Journal of Engineering and Technology) Vol 3, Issue 4, 2016

Brain Tumor Detection Based On Mathematical Analysis and Symmetry Information . Journal of Engineering
Research (ISSN : 2248-9622) Vol 4, Issue 2, 2014

Brain Tumor Detection Based On Mathematical Analysis and Symmetry Information Int.Journal of Engineering
Research and Applications (ISSN : 2248-9622) Vol 4, Issue 2, 2014

Satellite Image Classification using Neural Network and Support Vector Machine International Journal of Advanced
and Innovative Research (ISSN : 2278-7844) Vol 2, Issue 10, 2013

Survey on Satellite Image Classification using Neural Network International Conference on Electrical Engineering
& amp Computer Science Chennai, ISBN:978-93-82208-38-9, 2012
Housing Society Management   INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY
RESEARCH (ISSN : 2277-8616) Vol 7, Issue5, 2018

Interactive College Application INTERNATIONAL CONFERENCE ON ADVANCED
TRENDS IN ENGINEERING (ICATE-2017)", DATTAMEGHE COLLEGE OF ENGINEERING, AIROLI, NAVI
MUMBAI, MAHARASHTRA, INDIA CONFERENCEPROCEEDING (ISBN: 978-93-861717-02-3), 2017,

Research and Scholarly Contributions:

> **Ph.D. Research**: Urban Tree Canopy Detection Using Object-Based Image Analysis Approach for High
> Resolution Satellite Imagery

> **M. E. Research**: Design & Development of a Digital Speed Regulator Card,using TMS320F2812 DSP
> System.

Funding Received: NIL

Software Tools:

Assembly 8086, 8051, C, C++, MATLAB, HTML, 8086emu, CC Studio, VHDL and Microsoft
Windows Operating System, CC studio, eCognition

Professional Association: NIL

Experience:

> 18 years

> **Responsibilities Handled:**

- NAAC Coordinator
- NBA Coordinator
- ME Approved Teacher (Guided Eight Students)
- Ph. D Scrutiny Committee Member
- Lab In charge
- College Prospectus Coordinator
- Time Table Coordinator
- Mumbai Paper Setting Convener and Member.

- Mumbai University Syllabus setting Convener and Member.
- Chief Conductor (CC) and Senior Supervisor (SS) in University and College Examination
- Academic Advisory Committee Member
- Antarang Cultural Event Head
- Sports Committee Member
- Class Advisor

Talks/Guest Lectures Delivered:

NIL

SESSION CHAIR/JUDGE:

NIL

Declaration
I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Faculty Name Dr. Sujata R. Kadu

Place: Nerul,Navi Mumbai