

Faculty Profile Format

1. Basic Information

- **Name:** Dr.Pushpalata Patil
- **Designation:** Associate Professor
- **Department:** Computer Science & Engineering
- **Email:** pushpalata.gecw@gmail.com

2. Academic Qualifications

- **Ph.D. :** VTU Belagavi, 2023
- **Postgraduate (PG) – M.Tech :** VTU Belagavi, 2013
- **Undergraduate (UG) – B.E.:** VTU Belagavi, 2008

3. Work Experience

- **Total Academic Experience:** 11.3 years
- **Industry Experience:** (*if applicable*)- Nil

4. Research Interests

- Image Processing
- Artificial intelligence(AI)
- Internet of Things(IoT)

5. Publications, Patents & Research Contributions

- **Citation Metrics:**
 - h-index: 2
 - i10-index: 1
 - Total Citations: 22
- **Papers Published:**
 - **Conference Publications:**
 - National: Nil
 - International: 2
 - Pushpalata, Dr.M.Sasikala “Real time traffic assessment using image processing” Published in 2020 IEEE international conference.<https://doi.org/10.1109/PuneCon50868.2020.9362387>
 - Pushpalata „ “Detection of stage of cancer using machine learning and deep learning” Published in Advanced in Information Communication Technology and Computing (AICTC 2024) Conference paper Springer on 02 october 2024. https://doi.org/10.1007/978-981-97-6103-6_38
 - **Journal Publications:**

▪ Scopus Indexed: 2

- Pushpalata, Dr.M.Sasikala “A Traffic load analysis model using optical flow and boosting classifier”published in journal of Multimedia Tools and Applications (MTAP) Springer year of publication 2023. <https://doi.org/10.1007/s11042-023-14878-0>
- Pushpalata, Dr.M.Sasikala ”Accurate Vehicular Movement Understanding in Aerial Images UsingConvolutional Neural Network Architecture“ Published in 2022 in Advanced Engineering Sciencevolume 54,issue 3(Scopus).
<https://advancedengineeringciences.com/article/287>

▪ UGC Care Listed: 08

- Pushpalata, Dr.M.Sasikala “A survey on traffic assessment using image processing and fuzzy logic” published in Journal of emerging technologies and innovative research JETIR February 2020 volume7,issue 2 ISSN-2349-5162 pp. 432-438
- Pushpalata “Segmentation based projected clustering of hyperspectral images using mutual nearest neighbor” international journal of research in engineering science and management(IJRESM) 2019.ISSN 2581-5792.
- Pushpalata “Vehicle detection and traffic assessment using videos” international journal of research in engineeingscience and management 2019.ISSN 2581-5792.
- Pushpalata “Software defined wireless sensor networks for traffic load minimization” ” international journal of research in engineering science and management(IJRESM) 2019.ISSN 2581-5792.
- Pushpalata “Covid-19 detection using deep machine learning method based on X-Ray” International Journal of Creative Research Thoughts(IJCRT) ISSN : 2320-2882 in 2022.
- Pushpalata “A novel method for identifying skin cancer disease detection using convolutional neural network”ISSN : 2320-2882 in 2022
- Pushpalata “Vehicle Detection and Traffic Assessment Using Images” Advance in Electronic andElectric Engineering. ISSN 2231-1297, Volume 3, Number 8 (2013), pp. 987-1000. <http://www.ripublication.com/aeee.htm>
- Pushpalata “A Novel Approach for Enhancing Image copy detection with robust machine learning techniques”international research Journal of Engineering & Technology,volume 10 Issue 8 August 2023.

▪ Other: Nil

• **Books/Book Chapters Published:** Nil

• **Patents (if any):**[Number]

- [Patent Title], [Status (Granted/File)], [Year]

• **Grants Received:**(Total Amount: [Currency and Amount])

- [Project Title], [Funding Agency], [Amount], [Duration]

• **Ph.D. Guidance:**

- Ongoing: Nil
- Completed: Nil

6. Teaching & Courses (Mention subjects taught)

- Principles of Programming with C
- Data Structures & Applications
- Automata Theory & Computability
- System Software
- Pattern Recognition
- Intelligent Systems
- Cloud Computing
- Advanced ADA
- Multicore Architecture
- Research Methodolgy
- Computer Networks
- Graph Theory

7. Awards & Recognitions *(If applicable)*

- **[Award Name], [Awarding Institution], [Year]**
- **[Recognition/Grant], [Awarding Institution], [Year]**

8. Professional Memberships & Collaborations *(If applicable)*

- **Member:**IETE(M-504083)

9. Additional Information *(If applicable – Links to profiles, IDs, etc.)*

- **Google Scholar:** https://scholar.google.com/citations?user=U_diVkJEAAAAJ&hl=en
- **ORCID ID:** 0000-0003-4116-168X
- **ResearchGate:** [URL]
- **LinkedIn:** [URL]