JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060
www. Jssateb.ac.in

FACULTY PROFILE

Department: Information Science Engineering

1. Personal Details

NAME	**Mrs. Pushpalatha V**
DEPARTMENT	**Information Science Engineering**
DESIGNATION	**Assistant Professor**
PHONE	**9845901080**
EMAIL ID	**pushpalathav@jssateb.ac.in**
Date of Joining (JSSATEB)	**14/10/2024**

2. Experience

Total Experience in Years	**Teaching: 3.5 year**	**Industry: 07 Months**	**Research: Nil**

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	**Computer Science Engineering**	**2016**	**GSSSIETW, Mysore**	**VTU, Karnataka**
M.E. / M.Tech. / M.Sc.	**Computer Science Engineering**	**2019**	**NMAMIT, Nitte, Udupi District**	**VTU, Karnataka**
Ph.D.	**Machine Learning**	**Pursuing**	**JSS Academy of Technical Education, Bengaluru**	**VTU, Karnataka**

4. Research & Publications:

Papers Published in Other Journals	International: 16	National: -

i. **Funds Received (Projects)**
ii. **Patents**
iii. **Consultancy**

5. Awards Received:

6. Publications

i. International Journals

Sl. No.	Title of the paper	Author (s) Name	Affiliation of another Author (s)	Name of the Journal	Publisher of the Journal	Date of Acceptance: DOI
1	Quantum convolutional neural network-based hybrid network for remote sensing image classification	V Pushpalatha . H N Mahendra, S Mallikarjunaswamy, SR Subramoniam	Assistant Professor, Associate Professor, Dept of ECE, JSSATEB	Engineering Applications of Artificial Intelligence	Pergamon	https://doi.org/10.1016/j.engappai.2025.113195
2	Analyzing Land Use Land Cover Changes of Mysuru Taluk, Karnataka state, India using Vision Transformers	V Pushpalatha . H N Mahendra, S Mallikarjunaswamy, SR Subramoniam	Assistant Professor, Associate Professor, Dept of ECE, JSSATEB	Applied Computing and Geosciences	Elsevier	https://doi.org/10.1016/j.acags.2025.100308
3	Enhanced LULC Classification Using CNNs with Transfer Learning and Fine-Tuning: A Regional Study	V Pushpalatha . H N Mahendra, S Mallikarjunaswamy, NM Basavaraju	Assistant Professor, Associate Professor, Dept of ECE, JSSATEB	Nature Environment and Pollution Technology	Technoscience	https://doi.org/10.46488/
4	Land Use/Land Cover (LULC) Change Classification for Change Detection Analysis of Remotely Sensed Data Using Machine Learning-Based Random Forest Classifier.	HN Mahendra, V Pushpalatha, V Rekha, N Sharmila, D Mahesh Kumar, GS Pavithra, NM Basavaraj, S Mallikarjunaswamy	Assistant Professor, Professor, Dept of ECE, JSSATEB	Nature Environment & Pollution Technology	Technoscience	https://doi.org/10.46488/NEPT.2025.v24i02.B4238
5	Big Data Analytics: The Classification of Remote Sensing Images Using Machine Learning Techniques	V Pushpalatha, HN Mahendra, Shoaib Kamal, S Mallikarjunaswamy	Assistant Professor, Professor, Dept of ECE, JSSATEB	Machine Learning Hybridization and Optimization for Intelligent Applications	CRC Press	
6	Deep Learning-Based Land Use and Land Cover Classification for Change Detection Studies	V Pushpalatha, PB Mallikarjuna, HN Mahendra, Rama Subramoniam, S Mallikarjunaswamy	Professor, Dept of CSE,Professor, Assitant Professor, Dept of ECE		Research Square	doi.org/10.21203/rs.3.rs-4606544/v1
7	An assessment of land use land cover using machine learning technique	V Pushpalatha, HN Mahendra, AM Prasad, N Sharmila, D Mahesh Kumar, NM Basavaraju, GS Pavithra, S Mallikarjunaswamy	Assistant Professor, Professor, Dept of ECE, JSSATEB	Nature Environment and Pollution Technology	Technoscience Publications	https://doi.org/10.46488/NEPT.2024.v23i04.025
8	LULC change detection analysis of Chamarajanagar district, Karnataka state, India using CNN-based deep learning method	V Pushpalatha . H N Mahendra, S Mallikarjunaswamy, SR Subramoniam	Assistant Professor, Associate Professor, Dept of ECE, JSSATEB	Advances in Space Research	Pergamon	https://doi.org/10.1016/j.asr.2024.07.066

9	A Hybrid Deep Learning Model Based on Vision Transformer and Convolutional Neural Networks for Land Use and Land Cover Classification	HN Mahendra, V Pushpalatha, S Mallikarjunaswamy, S Rama Subramoniam	Assistant Professor, Professor, Dept of ECE, JSSATEB	Applied Soft Computing	Elsevier	https://doi.org/10.1016/j.asoc.2026.114775
10	Land use and land cover classification for change detection studies using convolutional neural network	V Pushpalatha, PB Mallikarjuna, HN Mahendra, S Rama Subramoniam, S Mallikarjunaswamy	Professor, Dept of CSE, Professor, Assistant Professor, Dept of ECE	Applied Computing and Geosciences	Elsevier	https://doi.org/10.1016/j.acags.2025.100227

ii. International Conferences

Sl No	**Title of the paper**	**Author (s) Name**	**Affiliation of another Author (s)**	**Name of the Conference**	**Publisher of the Journal**	**Date of Acceptance: DOI**
1.	**Online payment fraud detection using machine learning**	**S Lochan, HV Sumanth, Ashwini Kodipalli, BR Rohini, Trupthi Rao, V Pushpalatha**	**Global Academy of Technology**	**2023 International Conference on Computational Intelligence for Information, Security and Communication Applications (CIISCA)**	**IEEE**	**10.1109/CIISCA59740.2023.00080**
2.	**Sentiment Analysis of Twitter Using Machine Learning Algorithms**	**N Rajath, V Kushal, Ashwini Kodipalli, Trupthi Rao, V Pushpalatha, BR Rohini**	**Global Academy of Technology**	**2023 International Conference on Computational Intelligence for Information, Security and Communication Applications (CIISCA)**	**IEEE**	**10.1109/CIISCA59740.2023.00056**
3.	**Pseudo random number generation based on genetic algorithm application**	**V Pushpalatha, KB Sudeepa, HN Mahendra**	**NMAMIT, Nitte**	**International conference on artificial intelligence and data engineering**	**Springer Nature Singapore**	**doi.org/10.1007/978-981-15-3514-7_59**
4.	**Categorizing Plant Leaf Disease using Convolutional Neural Network**	**SR Sujith, Ashwini Kodipalli, Trupthi Rao, S Kumarswamy, BR Rohini, V Pushpalatha**	**Global Academy of Technology**	**2023 International Conference on Network, Multimedia and Information Technology (NMITCON)**	**IEEE**	**https://doi.org/10.1109/NMITCON58196.2023.10275816**
5.	**Analysis of Classification Algorithms for Oil Spill Recognition Using SAR Data**	**K Trishika, A Rakshitha, V Pushpalatha, BR Rohini**	**Global Academy of Technology**	**2023 International Conference on Computational Intelligence for Information, Security and Communication Applications (CIISCA)**	**IEEE**	**https://doi.org/10.1109/CIISCA59740.2023.00054**
6	**Deep learning models for inventory of agriculture crops and yield production using satellite images**	**HN Mahendra, S Mallikarjunaswamy, NM Basavaraju, Pratheek M Poojary, Pavankumar S Gowda, M Mukunda, B Navya, V Pushpalatha**		**2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)**	**IEEE**	**https://doi.org/10.1109/MysuruCon55714.2022.9972523**

iii. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	One-week FDP on Artificial Intelligence and Emerging Technologies	Department of Computer Science and Engineering, JSS Science and Technological University	18-03-2025 to 22-03-2025
2	6-days National Level FDP on "Recent Trends In Artificial Intelligence and Machine Learning"	Department of Computer Science & Engineering, Global Academy of Technology, Bengaluru	3-02-2025 to 8-2-2025
3.	International Conference on Agrivoltaics Innovations Focusing on Smart Farming with Renewable Energy, Machine Learning and Embedded Technologies (IC-AISMART 2025)	JSS Academy of Technical Education, Bengaluru	11-12-2025 to 12-12-2025

iv. Workshops / Conference (Organized)

7. Details of NPTEL / COURSERA courses completed

1. Membership of Professional Bodies:

2. Irins Link: https://jssateb.irins.org/profile/686757

3. Scopus ID: 57203985756

GoogleScholar ID: 6umKl3cAAAAJ

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