

FACULTY PROFILE FORMAT (Format 3)		
Staff Name	:	P.ELAVENI
Faculty ID	:	TEC43
Designation	:	Assistant Professor
Qualification	:	M.E, (Ph.D)
Teaching Experience	:	10 years 3 Months
Area of Specialization	:	Communication Engineering Remote Sensing, Satellite Image processing
Subjects Handled	:	Digital Image Processing , Advanced Digital Image Processing, Pattern Recognition, Pattern Recognition and Machine Learning, Communication Theory, Digital Electronics
Books Published	:	-
Journals Published	:	<ol style="list-style-type: none"> 1. Palanivel, E., & Selvan, S. (2024). Unsupervised Multispectral Gaussian Mixture Model-Based Framework for Road Extraction. <i>Journal of the Indian Society of Remote Sensing</i>, 1-16. 2. Palanivel, Elaveni, and Shirley Selvan. "Integrated mixture model and ensemble learning geographic object-based image analysis for road network extraction." <i>Journal of Spatial Science</i> (2023): 1-21. 3. Avudaiammal, R., Elaveni, P., Selvan, S. et al. "Extraction of Buildings in Urban Area for Surface Area Assessment from Satellite Imagery based on Morphological Building Index using SVM Classifier". <i>J Indian Soc Remote Sens</i> 48, 1325–1344 (2020). https://doi.org/10.1007/s12524-020-01161-0. 4. Dr. R. Avudaiammal, P. Elaveni, P.S Nancy., S.Pavithra, "Indices Based Land Use Classification Using Svm" <i>Journal of Critical Reviews</i>. 2020; Issue-19: 165-171 doi: 10.31838/jcr.07.19.16. 5. J.Sowmya, and P.Elaveni, "Image De-noising using BM3D-Sparse Representation on 2D images" <i>International Journal of Advanced Research Trends in Engineering and Technology</i>, Vol. 4, Special Issue 10, March 2017.
Conference /Workshop Attended	:	CONFERENCES <ol style="list-style-type: none"> 1. P.Elaveni and N.Venkateswaran, "A Novel Algorithm for the Classification of High Dimensional Hyperspectral Data", <i>International Conference on Computational Systems in Engineering and Technology-2014</i>. 2. P.Elaveni and N.Venkateswaran, "Kernel Based Svm Classification Of Hyperspectral Images", <i>International Conference on Electrical, Communication & Computing</i>, 2014.

	<p>3. P.Elaveni and N.Venkateswaran, “Hyperspectral Image Feature Extraction and Classification Using KPCA-SVM and ICA-SVM “<i>in proc. NCCCCSP 2014</i></p> <p>WORKSHOPS</p> <p>1. IIT Kanpur Advanced Career School for PYTHON based DataScience, Machine Learning and Deep Learning from 22nd January to 25th February 2022.</p> <p>2. International Faculty Development Program on “Exploring the nuances of Deep Learning for Research Applications”, conducted by Karunya University, from 13th to 17th July 2020.</p> <p>3. Virtual National Workshop on Research Scopes in Remote Sensing (June 2020) conducted by St.Joseph’s College of Engineering.</p> <p>4. Training on “Bhuvan Overview” conducted by National Remote Sensing Centre, Hyderabad from October 29 to 31, 2019.</p>
Patent Details	: -
Funded Project Details	-