FACULTY PROFILE

Basic Details

- **Name: Dr.** N. Aswini
- **Designation**: Assistant Professor
- **Phone Number:**- +91 63698 65858
- **Email Id:** aswinin@srmist.edu.in
- **Area of Specialization: Machine learning, Big data, Remote sensing Images, Image Processing**
- **Affiliation:** SRM Institute of Science and Technology, College of Science and Humanities, Ramapuram

Educational Details

- **Degree** – M.Sc(Integrated)
- **Area or Subject** – Information Technology
- **University** – Annamalai University
- **Awarded Year** – 2014
- **Degree** – M. Phil
- **Area or Subject** – Computer Science
- **University** – Thiruvalluvar University
- **Awarded Year** – 2016
- **Degree** – Ph.D
- **Area or Subject** – Computer Science
- **University** – Annamalai University
- **Awarded Year** – 2023

Other Details

Research Interests: Machine learning, Big data, Remote sensing, Image Processing

Selected Publications

1. N. Aswini and R. Ragupathy, "Spark based Framework for Supervised Classification of Hyperspectral Images.", International Journal of Advanced Computer Science and Applications, Volume 13, Number 2, Feb 2022, pp.449-454. http://dx.doi.org/10.14569/IJACSA.2022.0130253.
2. N. Aswini and R. Ragupathy, "Spark based Framework for Supervised Classification of Hyperspectral Images.", International Journal of Advanced Computer Science and Applications, Volume 13, Number 2, Feb 2022, pp. 449-454. http://dx.doi.org/10.14569/IJACSA.2022.0130253.
3. N. Aswini and R. Ragupathy, "Spark Based Distributed Classification of Spatial-Spectral Hyperspectral Images.", NeuroQuantology, Volume 20, Number 11, Sep 2022, pp. 4192-4204. 2022.
4. N. Aswini and R. Ragupathy, "ANOVA F-test based Framework for Supervised Classifiers on Classification of Hyperspectral Images.", High Technology Letters, Volume 26, Number 12, Dec 2020, pp. 394-403. 2020.
5. R. Ragupathy and N. Aswini, "Performance Comparison of Filter Based Approaches for Display of High Dynamic Range Hyperspectral Images.", Data Engineering and Communication Technology, Advances in Intelligent Systems and Computing, Springer, Volume 1079, Number , Jan 2020, pp. 79-89. 2020.
6. N. Aswini and R. Ragupathy, "On Appraisal of Spectral Features Based Supervised Classifications for Hyperspectral Images.", International Journal of Recent Technology and Engineering, Volume 8, Number 6, Mar 2020, pp. 593-600. 2020.
7. R. Ragupathy, B. Abirami, N. Aswini, "Automatic Brain Tumor Detection.", International Journal For Science and Advance Research in Technology, Volume 3, Number 3, Mar 2017, pp. 920-925. 2017.
8. R. Ragupathy, N. Aswini, "Embedding Error Based Data Hiding in Color Images for Distortion Tolerance.", International Journal on Recent and Innovation Trends in Computing and Communication, Volume 5, Number 5, May 2017, pp. 1242-1245. 2017.

Papers Presented

1. "Performance Comparison of Filter Based Approaches for Display of High Dynamic Range Hyperspectral Images.", Data Engineering and Communication Technology, Advances in Intelligent Systems and Computing, Springer,
2. Working Papers: Spark Based Distributed Classification of Spatial-Spectral Hyperspectral Images Using 3d-Convolution
3. Work in Progress: Trying to implement Hyperspectral image classification on unsupervised methods

Research Experience: Ph.D. (Full time research scholar - 6 years)
Academic Experience: 2 Months

Workshops /Seminars/Conferences

1. attended 10 days hands-on workshop on Big data analytics
Attended 2 days workshop on machine learning techniques