

FACULTY PROFILE TEMPLATE FOR WEBSITE

Basic Details:

Name: 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 –** Awaiting for Viva-Voce

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 Distributed Classification of Spatial-Spectral Hyperspectral Images.", *NeuroQuantology*, Volume 20, Number 11, Sep 2022, pp. 4192-4204. 2022.

3. 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.
4. 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.
5. 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.
6. 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.
7. 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,

Working Papers: Spark Based Distributed Classification of Spatial-Spectral Hyperspectral Images Using 3d-Convolution

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**
2. Attended 2 days workshop on machine learning techniques

Please send in your latest **PASSPORT SIZE photograph.**

