

## BIO-DATA

### Dr. Suseelatha Annamareddy

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Department of Mathematics  
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**Research Areas:** Time Series Analysis, Load forecasting models, Wavelet Transforms.

### Academic Profile

| Degree | Year | Subject                      | University/Institution                             | % of marks |
|--------|------|------------------------------|--|------------|
| B.Sc   | 2001 | Maths, Physics,<br>Computers | SVD Degree college for<br>women, Andhra University | 74.6       |
| M.Sc   | 2003 | Mathematics                  | Andhra University                                  | 64.3       |
| Ph.D   | 2015 | Applied<br>Mathematics       | Andhra University                                  |            |

### Experience Details

| Position Held          | Organization   | From       | To         | Years of<br>Experience |
|------------------------|--|------------|------------|------------------------|
| Assistant<br>Professor | GVP College of<br>Engineering for<br>Women           | 01-07-2009 | Till date  | 10yrs 2m               |
| Assistant<br>Professor | Al-Ameer<br>college of<br>Engg. & IT                 | Nov. 2007  | 30-06-2009 | 1yr 8 m                |
| Lecturer               | TSR&TBK PG<br>and Degree<br>college, VSP             | June 2006  | Oct 2007   | 1 yr 5 m               |
| Lecturer               | St. Josephs PG<br>and Degree<br>college for<br>Women | June 2004  | April 2005 | 11 months              |

### Publications:

1. Sudheer. G and **Suseelatha A.** (2015). Short term load forecasting using wavelet transform combined with Holt-Winters and Weighted nearest neighbor models. International Journal of Electrical power and Energy systems, 64:340-346. doi.org/10.1016/j.ijepes.2014.07.043

2. Sudheer. G and **Suseelatha A.** (2015). A wavelet-nearest neighbor model for short-term load forecasting. *Energy Science & Engineering*, 3(1):51-59, doi:10.1002/ese3.48.
3. Sudheer. G and **Suseelatha A.** (2014). A methodology for short term load forecasting based on wavelet filters. *International Journal of Energy and Statistics*, 2(3):169-181. doi.org/10.1142/S2335680414500124.
4. **Suseelatha A.**, Sudheer G., and Bharathi D. (2013). A Simple Hybrid Model for Short- Term Load Forecasting. *Journal of Engineering*, Article ID 760860. doi:10.1155/2013/760860.

**Papers Presented and Published in Conference Proceedings:**

1. **A.Suseelatha**, VSSVD Prakash, G.Sudheer, D.Bharathi “Short Term Load Forecasting using a Combination of discrete Wavelet Transforms and Support Vector Machines”, National conference on Applications of Mathematics in Engineering Sciences (NCAMES-2011), 29<sup>th</sup> -30<sup>th</sup> Jun 2011, Andhra University, Visakhapatnam, AP, India. ISBN: 978-81-909853-0-7.

**Papers Presented in conferences:**

1. **A.Suseelatha**, VSSVD Prakash and G.Sudheer, “An improved short term load forecasting methodology based on pattern sequences”, International conference on Recent Inventions and Innovations in Mathematical Sciences (ICRIIMS-2019), 28<sup>th</sup> Feb – 1<sup>st</sup> March 2019, Andhra University, Visakhapatnam, AP, India.
2. G.Srikanth, **A.Suseelatha** and G.Sudheer, “On the solution of cubic equation for physical applications”, International conference on Recent Inventions and Innovations in Mathematical Sciences (ICRIIMS-2019), 28<sup>th</sup> Feb – 1<sup>st</sup> March 2019, Andhra University, Visakhapatnam, AP, India.
3. **A.Suseelatha**, VSSVD Prakash, G.Sudheer, D.Bharathi “On Some Issues in the Application of Wavelet Transforms to Time Series Analysis”, National Seminar on Modern Trends in Applied Mathematics, 9-10<sup>th</sup> Oct 2010. Andhra University, Visakhapatnam, AP, India.

**Workshops/Seminars attended:**

1. One Day Seminar on “Mathematical Applications in Artificial Intelligence & Machine Learning”, 20<sup>th</sup> July 2019, GVP College of Engineering (Autonomous), Visakhapatnam.
2. Seminar on “ Pedestrian Crowd Dynamics Models – Using Social and Behavioral Forces”, 16<sup>th</sup> March 2019. GVP-LIAS and GVP College of Engineering (A), Visakhapatnam.
3. A National workshop on “Cryptology and cyber Security (WCCS 2018)”, 22<sup>nd</sup> -24<sup>th</sup> March, 2018, GVP College of Engineering for Women, Visakhapatnam.
4. A National workshop on “Biological Inspired Computing & Applications (BICA – 2018)”, 9<sup>th</sup> -11<sup>th</sup> March, 2018, GVP College of Engineering for Women, Visakhapatnam.
5. A National Seminar on “Emerging Trends in Applied Mathematics”, 4th-5<sup>th</sup> April, 2014, Andhra University, Visakhapatnam.
6. A National Seminar on “Discrete Mathematics and its Applications” ,10<sup>th</sup> -12<sup>th</sup> February, 2011, GVP College of Engineering for Women, Visakhapatnam.
7. A National workshop on latest Applicable Trends in Mathematical Sciences-2009, 7<sup>th</sup> August, 2009, Al-Ameer college of Engg. & IT, Visakhapatnam.

**FDPs Attended:**

1. Faculty Development Program on Analytics using R, 13<sup>th</sup> -17<sup>th</sup> November, 2017, GVP College of Engineering for Women, Visakhapatnam.

**NPTEL Courses Completed:**

1. Online Certification Course on “Regression Analysis”, July – October 2019, NPTEL, and stood as a topper of the course with Gold Medal.
2. Online Certification Course on “Numerical Linear Algebra”, Jan-Apr, 2018, NPTEL.

A.Suseelatha