

Basic Details:

- **Name:** Dr. S.E.Jayanthi
- **Designation:** Assistant Professor
- **Phone Number:** 9840326616
- **Email ID:** jayanth2@srmist.edu.in
- **Area or Subject:** Mathematics
- **Affiliation:** Department of Mathematics, SRM Institute of Science and Technology, Ramapuram.

Educational Details:

- **Degree** – M.Sc., M.Phil., Ph. D.
- **Area or Subject** – Mathematics
- **University**

Ph. D. Mathematics – Bharathiar University, 2020

M.Phil – Loyola College, University of Madras, 1994

M.Sc. Mathematics – Q.M.C, University of Madras, 1993

B.Sc. Mathematics – C.T.T.E. College, University of Madras, 1990

Other Details:

Courses:

- **Engineering Mathematics**
- **Pure Mathematics**

Research Interests:

Production Scheduling, Fuzzy Optimization, Nature Inspired Algorithms

Publications:

- Jayanthi S E and Karthigeyan S, “Minimizing weighted earliness and tardiness under fuzziness using Firefly Algorithm”, International Journal of Applied Engineering Research, Volume 12, No.24 (2017), pp.13974-13980; [ISSN: 0973-4562] (**Scopus Indexed**).

- Jayanthi S E, Karthigeyan S and Anusuya S, “Minimizing earliness and tardiness costs with fuzzy processing times and fuzzy due dates in single machine scheduling using QPSO”, International Journal of Pure and Applied Mathematics, Volume 115, No.8 (2017), pp. 437-442. [ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on- line version) [Special Issue] (**Scopus Indexed**).
- Jayanthi S E and Anusuya S, “Minimization of Total Weighted Earliness and Tardiness using PSO for One Machine Scheduling”, International Journal of Pure and Applied Mathematical Sciences, Volume 10, Number 1 (2017), pp. 35-44. [ISSN 0972- 9828].
- Jayanthi S E and Karthigeyan S, “One-Operation Jobs Scheduling under Fuzziness – A Review”, International Journal of Fuzzy Mathematics and Systems, ISSN 2248-9940 Volume 3, Number 3 (2013), pp. 251-257.

Papers Presented in international/national conferences:

- Presented a paper on “Minimization of Total Weighted Earliness and Tardiness using PSO for One Machine Scheduling”, at IEEE 2nd International Conference on Human Computer Interactions (ICHCI-16), Saveetha School of Engineering, 10th & 11th Mar 2016.
- Presented a paper on “A survey on Fuzzy Production Scheduling”, at National Seminar on Frontiers of Mathematics, Ethiraj College for Women (Autonomous), Chennai, 15th & 16th Oct 2012.

Working Papers:

Single Machine Scheduling in Fuzzy Environment with Meta-Heuristics

Work in Progress:

Single Machine Scheduling in Fuzzy Environment with Meta-Heuristics

Academic Experience:

- Assistant Professor (SG), Saveetha School of Engineering, Saveetha University, Jul 2012 – Jan 2017.
- Assistant Professor (SG), Alpha College of Engineering, Jun 2011 – Jun 2012.
- Assistant Professor (SG), Hindustan Institute of Technology and Science, Aug 2009 – Apr 2011.
- Lecturer, Vel Tech Engineering College, Feb 2008 – Apr 2008
- Lecturer, Ethiraj College for Women, Jul 1995 – Feb 2008

Seminars, Webinars, Workshops and Conferences Attended

- Two-day Research Seminar on “Soft Computing Techniques”, Saveetha School of Engineering, Thandalam, Chennai, 28th & 29th Apr 2016.

- Second International Conference on “Advances in Industrial Engineering Applications”, Anna University, Chennai, 06-08 Jan 2014.
- Indo-German Workshop on “Applied Mathematics in Engineering and Industry”, Alpha Group of Institutions, Chennai, 25th Oct 2013.
- Two-day workshop on “Research Document Preparation using LATEX”, Saveetha School of Engineering, 20th & 21st Sept 2013.
- Two days National Level Workshop on “Recent Advances in Mathematical Computing”, at VIT Chennai, 30th Nov 2012 & 1st Dec 2012.
- Two-day National Level Workshop on “Advanced Engineering Optimization and Modeling using MATLAB & SCILAB”, at Saveetha Engineering College, 29th & 30th Nov 2012.
- Faculty Development Programme on “Research Paper writing and Publication”, Saveetha Management School, Saveetha Engineering College, 21st & 22nd Jul 2012.
- National Workshop on “Applications of Fuzzy Theory”, at Hindustan Institute of Technology and Science, Padur, 10th & 11th Aug 2011.
- “National Symposium on Mathematical Methods and Applications”, at Indian Institute of Technology Madras, 22nd Dec 2010.
- National Workshop on “Applications of Mathematics in Engineering” at Hindustan Institute of Technology and Science, 23rd & 24th Sep 2010.
- Faculty Enrichment Programme, at Hindustan Institute of Technology and Science, Padur, 28-29 Jun 2010 & 27-28 Aug 2010.
- National Conference on E-Governance, at Ethiraj College for Women (Autonomous) Chennai, 03rd & 04th Feb 2006.
- State Level Workshop on “Environmental Sensitization and Disaster Management”, at Ethiraj College for Women (Autonomous), Chennai, 21st Jan 2006.
- National Workshop on “Fundamentals of Fuzzy Set Theory”, at Stella Maris College (Autonomous), Chennai, 05th & 06th Aug 2005.

Achievements and Awards:

Received Award for exemplary performance for more than 10 years in Ethiraj College.

Membership: Mathematics Teachers Association – Life Member

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