

## Dr. D. Jinil Persis, B.E., M.E., Ph.D.



### Assistant Professor

Dept. of Industrial Engineering and Manufacturing Systems

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## ACADEMIC PROFILE

- 2012-2015      **Ph.D. (Full-time) in Industrial Engineering**, Department of Industrial Engineering, College of Engineering, Guindy, Anna University
- 2009-2011      **M.E. (Full-time) in Industrial Engineering**, Department of Industrial Engineering, College of Engineering, Guindy, Anna University
- 2004-2008      **B.E. (Full-time) in Computer Science and Engineering (Faculty of Information and Communication)**, B.S.A. Crescent Engineering College, affiliated to Anna University

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## RESEARCH INTEREST

- \* Shortest path routing
- \* Swarm intelligent algorithms
- \* Development of Routing protocols for Mobile Ad-hoc Networks, Wireless Sensor Networks, Underwater Wireless Sensor Networks
- \* Sentiment Analysis using Natural Language Processing

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## TEACHING INTEREST

- \* Evolutionary multi-objective optimization techniques
- \* Simulations and modeling analysis
- \* Operations Research
- \* Optimization Techniques

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## JOURNAL PUBLICATIONS

1. Jinil Persis and Paul Robert, "Review of AODV Protocol and its Swarm Intelligent Variants for MANET", *IET Networks*, 2017, Vol. 6, No. 5, pp. 87-93.
2. Jinil Persis and Paul Robert, "Bio-inspired Algorithms for Shortest Path Routing", *J. Comput. Theor. Nanosci.* 2015, Vol. 12, No. 10, pp. 3276-3284.
3. Jinil Persis and Paul Robert, "Ant Based Multi-Objective Routing Optimization in Mobile Ad-Hoc Network", *Indian J. Sci. and Tech.* 2015, Vol 8, No. 9, pp. 875-888.
4. Jinil Persis and Paul Robert, "Modified AODV Routing protocol for MANET using Firefly Algorithm", *International Journal of Applied Engineering Research*, 2015, Vol. 10, No.34, pp. 27176-27182.
5. Jinil Persis and Paul Robert, "Reliable Mobile Ad-Hoc Network Routing Using Firefly Algorithm", *I.J. Intelligent Systems and Applications*, 2016, Vol. 8, No.5, pp. 10-18.
6. Subhash and Jinil Persis, "Social Media Data Driven Determination of Student Perceptions", *Journal of Advanced Research in Dynamical and Control Systems*, 2017, vol. 9, No. 15, pp. 734-741.

## CONFERENCE PUBLICATIONS

1. Jinil Persis and Paul Robert, "Empirical Analysis of Swarm intelligent algorithms for Multi-objective Shortest Path Problems", *Communications in Computer and Information Science, Springer Series*, 2017 (Accepted for publication).
2. Venkatesh Mahanti and Jinil Persis, "Personalized e-learning system to Auto Suggest the Less Complexity Learning Materials to Learners for enhancing Learner Skills", International Conference on Knowledge based Computing technologies (ICKCT'16).
3. Jinil Persis and Paul Robert, "Analysis of an Ant-based Multi-objective Shortest Path Routing Algorithm" in the *Proceedings of International Conference on Advances in Industrial Engineering Applications (ICAIEA2014)*, January 6-8, 2014.
4. Jinil Persis and Paul Robert, "Multi objective Ant based Route Optimization in MANET" in the *Proceedings of the National Conference on Advanced Trends in Computing*, Tirunelveli, 2011.

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## EXPERIENCE

<b>6<sup>th</sup> February, 2018 – present</b>	<b>Assistant Professor</b> <i>Industrial Engineering and Manufacturing Systems National Institute of Industrial Engineering (NITIE), Mumbai</i>
<b>4<sup>th</sup> July, 2016 – 23<sup>rd</sup> January, 2018</b>	<b>Associate Professor</b> <i>Department of Computer Science and Engineering, School of Computing Sciences, Hindustan Institute of Technology and Science, Padur, Chennai</i>
<b>July, 2014 – September, 2015</b>	<b>Senior Research Fellow</b> <i>Moulana Azad National Fellowship scheme, University Grants Commission, Department of Industrial Engineering, College of Engineering, Guindy, Chennai</i>
<b>July, 2012 – July, 2014</b>	<b>Junior Research Fellow</b> <i>Moulana Azad National Fellowship scheme, University Grants Commission, Department of Industrial Engineering, College of Engineering, Guindy, Chennai</i>
<b>7<sup>th</sup> July, 2011 to 30<sup>th</sup>, June, 2012</b>	<b>Assistant Systems Engineer - Asset Management Area</b> <i>TCS-GE, Siruseri, Chennai</i>
<b>June, 2008 to September, 2008</b>	<b>Programmer – Market Research</b> <i>Dexterity Business Analyst Pvt. Ltd., Ambattur, Chennai</i>

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## ACHIEVEMENTS

- ◆ **Second Rank** in ME programme with **9.59 CGPA**
- ◆ **State Fifth Rank** (District Second) in SSLC
- ◆ Qualified **GATE 2008 & 2014**

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## SCHOLARSHIPS OBTAINED

- ◆ Moulana Azad National Fellowship (MANF) - UGC is obtained for pursuing Ph.D. (July, 2012 to July, 2017).
  - ◆ Recipient of Anna Centenary Research Fellowship of Anna University in 2012.
  - ◆ UGC Scholarship for pursuing ME Programme for obtaining a **GATE** score **90.63** percentile (August, 2009 to May, 2011).
  - ◆ High position secured in the list of meritorious students by Tamil Nadu government, National Scholarship Scheme.
  - ◆ Selected as Finalist for being meritorious student in the All India Reynolds Scholarship 2002.
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