

NAME	Dr. J. THILAGAVATHI
DESIGNATION	Associate Professor and Head
DOB	24.10.1976
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EDUCATIONAL QUALIFICATION	MCA., M.Phil., Ph.D
TEACHING EXPERIENCE	18 years
AREA OF INTEREST	OOPs, Grid Computing
CERTIFICATIONS	NIL
RESEARCH GUIDANCE (M.PHIL / Ph. D)	03 (Completed)
SEMINAR , WORKSHOP, CONFERENCE ATTENDED	29
FACULTY DEVELOPMENT PROGRAMME ATTENDED	05
RESOURCE PERSON IN SEMINAR / FDP / CONFERENCE / WORKSHOP	-
PAPERS PRESENTED	09
PAPERS PUBLISHED IN JOURNALS	11
BOOKS PUBLISHED	01

Seminars/Conferences/Workshops Participated:

- Attended the conference NCACA 2002(Oct 11-12) UGC sponsored, organized by the Department of Computer Science, NGM College, Pollachi.
- Participated in the National Seminar on “Recent trends in Global Networking” sponsored by AICTE, New Delhi held on 14th Feb 2004, organized by STC College, Pollachi.

- Participated in the FIP on “Classroom Climate” jointly organized by the Department of Commerce, NGM College, Pollachi and UGC academic staff college, Bharathiar University, Coimbatore on 2nd April 2005 at NGMC, Pollachi.
- Participated in the seminar conducted by Department of Computer Science & IT on 20th Feb 2008, in Dr. MCET campus, “Course redesign through Blended Learning”.
- National level symposium on “Recent trends in Commerce & IT” organized by Department of Commerce with Computer Applications, NGMC, 14th march 2008.
- Participated in the AICTE QIP Short term course on "Recent trends in Databases" from 16-3-2009 to 29-3-2009, Organized and conducted by the QIP Nodal centre, Ramanujan Computing Centre, Anna University, Chennai.
- M.Phil Guide recognition is approved on 16/4/2009 (Ref.No. 6621/A2/2009).
- Participated in an one day workshop on “Open source tools and Data Mining Research” conducted by Department of Computer Science, Dr.N.G.P. Arts and Science College, Coimbatore on 8th August, 2009.
- Participated in an one day workshop on “MATLAB- A Tool for Research” conducted by School of Information Technology & Science, Dr.G.R.Damodaran College of Science, Coimbatore, on September 05, 2009.
- Participated in an one day national level workshop on “Software Testing and Quality Assurance” on 23rd January 2010 by KG College of Arts and Science and KG Information Systems pvt. Ltd, Coimbatore.
- Participated and presented a paper titled “Women’s Rights are Human Rights” in UGC sponsored National Conference on promotion of ethics and human values through Human Rights Education, by Department of Economics, NGM College, Pollachi held from 11th and 12th March 2010.
- Participated in Faculty Development Program on “ Research Issues in Mobile Computing and Wireless Communication” organized by Department of Computer Applications, Nehru College of Management, Thirumalayampalayam, Coimbatore on 30th September 2010.
- M.Phil. full-time Research Scholar registered under me Ms. K. Sivasangari. Office Memorandum Number and Date: 18981/B1/2010, Dt. 09.11.2010 for the September 2010 batch.

- I registered my Ph.D. part-time on 1.1.2011. Office Memorandum Number and date: 2095/b1/2011, Dt. 10.2.2011
- Participated in a five days workshop on Grid Computing-WGC2011 held from 7-11 Feb, 2011 at the Department of Computer Technology, MIT campus, Anna University, Chennai, India, jointly organized by Center for Advanced Computing, Research and Education and Department of Computer technology, Anna university, Chennai and Center for Modeling, Simulation and design and Department of Computer and Information Sciences, University of Hyderabad, Hyderabad Sponsored by DST, New Delhi.
- Participated and Presented a paper entitled “ A study on various job scheduling Strategies in Grid Computing With Contribution to ant colony Optimization” in the National Conference on Advanced Computing Technologies held on 25th February, 2011 at Vidhyasagar college of Arts and Science, Udumalpet..
- Presented a paper entitled “ A study on Grid Scheduling with contribution to ant colony optimization scheduling algorithm” at the UGC sponsored National Seminar on “ CYBER CRIMINOLOGY” held during March 3-4, 2011 at Baselios Poulouse II Catholicos College, Piravom organized by Department of Computer Applications, BPC College, Piravom in association with CSI, Cochin Chapter.
- Participated in a two days workshop on “Research issues and Tools in Grid Computing “ organized by School of Communication and Computer Sciences, Department of Information technology and Industry Institute Partnership cell, Kongu Engineering College, Perundurai, Erode on 5-8-11 and 6-8-11.
- Presented a paper titled “ Comparative Analysis of Ant Colony and Particle Swarm optimization Algorithm using Grid Scheduling” in the National Seminar on “ Convergence of Database and Communication Technology” held on 13th January 2012 at Sree Ramu College of Arts and Science, Pollachi.

- Organized and attended a two days workshop on “PHP and MySQL” at 30.01.2012 & 31.01.2012, Conducted by Our Department (Department of Computer Technology) N.G.M College, Pollachi.
- Participated and attended technical presentation on IT/Computer topics in the Industrial Visit on 17th February 2012 at Chips Software Systems, Ernakulam, Cochin.
- Participated in a two days workshop on grid and cloud computing at Bharathiar University, Coimbatore on 15th and 16th March 2012 organized by the Department of Computer science and Information Technology.
- 27th March 2012 – M.Phil candidate viva-voce examination Ms. Sivasangiri at Computer Science Department(Aided), Guide:Ms.J.Thilagavathi at 11.30 a.m. Title: using student data set k-means and hierarchical clustering algorithms
- 16th July 2012 – Published “A Survey on Dynamic Job Scheduling in Grid Environment Based on Heuristic Algorithms” International Journal of Computer Trends and Technology-volume3, Issue4-2012. ISSN: 2231 – 2803. Page No: 531-536.
- Participated in NAAC Sponsored National Seminar “Academic Excellence through Quality Sustenance and Enhancement” on 17th and 18th Aug 2012, at N.G.M College, Pollachi.
- Participated in a National Workshop on “Recent research Trends in Fuzzy Systems – an Industrial Perspective “held on 01.03.2013 organized by the Department of Computer Applications, School of Computer Science and Technology, Karunya University.
- Organized and attended a one day workshop on “How to Crack Bank Exams?” on 12.07.2013, Conducted by Our Department (Department of Computer Technology) N.G.M College, Pollachi.
- Participated in “National Seminar on Research Issues in Data Mining” on 18th & 19th July 2013, Conducted by P.G Department of Computer Applications, AICTE Sponsored NSRIDM’13.
- Published a paper in International Journal of Advanced Research in Computer Engineering & Technology Volume 2, Issue 8, August 2013 ISSN: 2278 - 1323 “Heuristics In Grid Scheduling” on August 25th 2013. P.no:2427-2432.
- Attended the National Level Workshop on “Soft Computing Techniques using MATLAB – A Practical Approach” from 26.08.2013 to 27.08.2013 at Kongu Engineering College,

Perundurai, Erode and Organized by School of Communication and Computer Sciences, Department of Information Technology in association with Industry Institute Partnership Cell.

- Guiding a Part-Time M. Phil Scholar D. Manjula, Registered on 29.08.2013. Official memorandum no. and date: 20406/B1/2013 date: 07/11/2013 Folio: B1/784/2013. Reg.No:2013PR263.
- On 1st Oct 2013, organized and attended a one day workshop on “Embedded Systems in Robotics” organized by Our Department (Department of Computer Technology) N.G.M College, Pollachi.
- Participated in a one day workshop on “Cloud Application Development on PHP” organized by Department of Information Technology and Computer Technology in association with PORAS Technologies India Pvt Ltd., on 28.01.2014 at NGM College, Pollachi.
- On 14th Feb 2014, participated in the One Day National Level Research Seminar on “CHALLENGES AND STRATEGIES IN RESEARCH” organized by Department of Computer Applications, SNS College of Engineering, Coimbatore.
- On 16th July 2014, attended a one day workshop on “Usage of IQboard and Online Payment System” conducted by MCA Department, NGM College, Pollachi.
- Published a paper in a International Journal of Engineering Trends and Technology, Volume 14, Number 1, August 2014, ISSN: 2231-5381, “Scheduling in High Performance Computing Environment using Firefly Algorithm and Intelligent Water Drop Algorithm” on 9th Aug 2014, P.no: 8-12.
- On 10th Aug 2014, attended a one day workshop program on “Big Data and Android” conducted by Microsoft Awarded Experts, Coimbatore.
- Published a paper in a International Journal of Research in Computer Applications and Robotics, Volume 2, Issue 8, August 2014, ISSN:2320-7345, “ An Impression on Performance Metrics for Scheduling Problem in Grid Computing Environment”, pg. 40-45.
- Published a paper in an International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization) Vol. 2, Issue 9,

September 2014, “Enactment of Offline and Online Mode Mapping In Computational Grids” P.No.5841- 5844.

- A Research paper titled as “Intelligent Water Drop Algorithm based Particle Swarm Optimization (IWDPSO) towards multi objective job Scheduling for grid computing”, is accepted for publication in Research Journal of Applied Sciences, Engineering and Technology, Scopus indexed Journal, December 2014 (in press).
- A Research paper titled as, “An improved intelligent water drop algorithm for job scheduling in grid computing”, is accepted for presentation in the International Conference on Computing, Communication and Electrical Technologies (ICCCET '15), Vivekanandha Institute of Engineering and Technology for Women, Namakkal, India at 4th and 5th march 2015 and for publication in the International Journal of Applied Engineering Research (IJAER – SCOPUS indexed Journal). (AU, Annexure – II).
- Paper entitled "Intelligent Water Drop Algorithm Powered by Tabu Search to Achieve near Optimal Solution for Grid Scheduling" is accepted for presentation in the IEEE Sponsored 2nd International Conference on Innovations in Information, Embedded and Communication Systems (ICIECS'15) is now a DRDO Sponsored Conference on 19th and 20th March 2015. All the accepted papers which are registered for IEEE ICIECS'15 will be published in the IEEE conference proceedings with ISBN number (assigned by IEEE, USA) and also submitted for inclusion in IEEE Xplore.

Media	IEEE Catalog Number	ISBN
XPLORE	CFP1572Z-ART	978-1-4799-6818-3
DVD	CFP1572Z-DVD	978-1-4799-6816-9

All the selected and registered papers will be published in the special issue of Scopus Indexed (Anna University Annexure-II) Journal with authors concern.

- Ph.D. Synopsis “Coalesced Intelligent Water Drop Algorithm for Efficient Job Scheduling in Grid Environment”, submitted to Bharathiar University on 06.04.2015

- Book Published entitled as "IWD for Job Scheduling in Grid Environment" on August,2015 (ISBN: 978-81-931163-5-7)
- On August 2015, published a paper entitled "A Novel Approach for Behavior Based Charge Card Fraud Detection using Support Vector Machines" in the International Journal for Scientific Research & Development (ISSN(online): 2321-0613), Vol. 3, Issue 6, pp. 1094-1098.
- Ph.D. thesis "Coalesced Intelligent Water Drop Algorithm for Efficient Job Scheduling in Grid Environment", submitted to Bharathiar University on 18.09.2015.
- M.Phil Scholar Banupriya, full-time scholar registered under me.
- On Nov- Dec 2015, published a paper entitled, "A Study on False Positive Reduction in Unbalanced Datasets through SVM using Cost Based Learning", in the International Journal of Trend in research and Development (ISSN: 2394-9333), Vol. 2, Issue 6, pp. 124-127.
- On 18th Dec 2015, participated in a workshop on "Angular JS" organized by Department of Computer Science and Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi.
- On 29.01.2016, participated in the National Seminar on "**Empowering the Youth to Enrich Mankind**" organized by Human Excellence Department, NGM College, Pollachi.
- On 11.2.2016, presented a Paper Entitled as "**An Evaluation On Security In Wireless Data Networks**" in International Conference on Advances in Information Technology & Networking (ICATN-16) conducted by School of Information Technology and Science, Dr.G.R.Damodaran College of science, Coimbatore.
- On 22.2.2016, Presented a Paper Entitled as "**An Optimized Link State Routing Protocol with Neighbor Sensing Algorithm for Node Segregation Attack against Mobile Adhoc Network**" in National Conference On Advanced Computing And Communication Technologies(NCACCT-16) conducted by PG & UG Department of Computer Applications, Department of Computer Science and Department of Information Technology, Vidyasagar college of arts and science, Udumalpet. (ISBN:978-93-82570-73-8)

- On 21.3.2016, M.phil thesis titled “A study on credit card fraud detection using hidden semi markov model” submitted by M.Phil. scholar D. Manjula [Reg.no:2013PR263].
- On 05.3.2016, Presented a Paper Entitled as “**An Optimized Secure OLSR Routing Discovery Protocol For Attack Against Mobile Adhoc Networks**” in National Conference on Innovative trends in Information Technology organized by Department of Information Technology, Sri Vasavi College, Erode. **ISSN: 2349-5979**.
- On 18.04.2016, M.Phil Viva conducted for the candidate Ms.D.Manjula (Reg.No : 2013PR263) under the title “**A Study on Credit card fraud detection using Hidden Semi Marko Model**”.
- On 16th Aug 2016, published a paper entitled as “**Features and Principles of OFDMA: A Brief Study**” in the **International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)**, Vol 4, Issue 8, 2016. (**ISSN:2320-9798**).
- On sep 22 and 23, 2016, Participated and Presented a Paper Entitled as “**A Review On Similarity Measures On OFDM and MC-CDMA: Performance Comparison**” in National symposium on Underwater Networking and Communication organized by the Department of computer science, Dr G R Damodaran College Of Science, Coimbatore.
- On 3rd and 4th Oct 2016, Organized and Participated in two days workshop on “**Android Application Development**”, Conducted by Department of Computer Technology, N.G.M College, Pollachi jointly organized with ACE Technologies Tirupur.
- On 17th & 18th February 2017, attended a two days workshop on “**Data Science and Analytics**”, conducted by Department of Computer Science and Engineering, Dr. Mahalingam college of Engineering and Technology, Pollachi.
- On 24.02.2017, M.Phil Viva conducted for the candidate Ms. G. Banupriya (Reg.No : 2015R477) under the title “**An Enhanced Optimal Greedy Based Finest Resource Allocation and Power Allocation in OFDMA Based Distributed Networks**”.
- On 9th and 10th March 2017, participated in a two days workshop on “**Big Data Analytics**”, Conducted by Department of Computer Technology and Information

Technology, N.G.M College in association with Innovative Dynamic Technologies, Coimbatore.

- On 8th May 2017, Ph.D. viva voce conducted on “Coalesced Intelligent Water Drop Algorithm for Efficient Job Scheduling in Grid Environment”
- On 8.8.2017, attended a one day national seminar on Recent Trends in Networking Arena NSRTNA’17 organized by PG Department of Computer Applications, NGM College, Pollachi.
- Acted as Rapporteur in the one day national conference on Green computing organized by department of Computer Science (Aided), NGM College, Pollachi held on 22nd September 2017.
- Acted as Judge in the event “Quiz” in an Inter-college Meet “Minerva’18” organized by Department of Computer Science (SF), NGM College, Pollachi held on 28th Feb 2018.
- On 27.12.2018, attended a National Level one day Faculty Development Programme on “Quality Teaching Strategies for Outcome Based Education” organized by Faculty Development Cell, Bharathiar University Arts and Science College, Pollachi.

