

## CURRICULUM VITAE

**Dr. T.KOKILAVANI M.Sc.,M.Phil.,M.B.A.,SET, Ph.D**

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### Official Address

Assistant Professor

Department of Computer Science

St. Joseph's College

Trichy – 620 002

### Career Objective

To Strive for academic excellence and impart quality education with emphasis in Computer Science

### Academic Qualification

- Ph.D Computer Science - Bharathiar University – October 2015
- M.Phil Computer Science – Bharathidasan University – **81%** - April 2007
- M.Sc Computer Science – Nehru Memorial College – **74%** – May 1999
- B.Sc Computer Science – Seethalakshmi Ramaswamy College – **82%** – April 1997
- H.S.L.C – Savitri Vidya Sala – **88%** - March 1994
- S.S.L.C – Savitri Vidya Sala – **85%** - March 1992

### Additional Qualification

- **M.B.A** - Alagappa University – 55% – May 2006

### Work Experience

- Currently Working as an **Assistant Professor in St.Joseph's College**, Trichy from June 2012
- Worked as an **Associate Professor and Head of the Department** of Software Engineering & Information Technology in **A.V.C College of Engineering**, Mayiladuthurai from July 2011 to June 2012 [ 11 months]
- Worked as an **Assistant Professor in JJ College of Engineering and Technology** from August 2008 – July 2011 [3 years]
- Worked as a **lecturer in Nehru Memorial College** from July 2001 – July 2008 [7 years]
- Worked as a **lecturer in Seethalakshmi Ramaswamy College** from June 1999 – June 2001 [2 Years]

Number of M.Phil Scholars Produced - 10

### Guest Lectures Delivered

- **Evolution of Distributed Computing**, 17.03.2014, Jamal Mohamed College, Trichy – 20.
- **Grid Computing and usage of Globus**, 25-05-2016, AVC College of Engineering, Mayiladuthurai.
- **Green Computing, 19-07-2016**, Seethalakshmi Ramaswamy College, Trichy – 2.
- **Lecture on Research Methodology**, 4<sup>th</sup> Jan 2018, Holy Cross College, Trichy – 2.
- **Carreer Guidance**, Bagavathi High School at Goundampatti, Karur district on 10-03-2018

### Book Published

- **“Scheduling Strategies in Grid Computing”**, Scholar’s Press, Germany, ISBN: 978-3-659-84261-0

### Papers Published In International Journal

1. **“Survey: Fault Tolerance Based on Various Scheduling and Load Balancing in Grid Computing”**, International Journal of Scientific Research in Computer Science Applications and Management Studies, Vol 7, Issue 3, May 2018, ISSN: 2319-1953. [UGC Approved Journal]
2. **“Enhanced Round Robin Technique with Variant Time Quantum for Task Scheduling in Grid Computing”**, International Journal of Emerging Trends in Science and Technology, Vol. 04, Issue 09, September 2017, pp. 6016 – 6021. [UGC Approved Journal]
3. **“Reduced Makespan Task Scheduling Algorithm for Grid Computing”**, International Journal of Control Theory and Applications, Vol. 9(27), 2016, pp. 71-76.
4. **“Extended Load Shared Ant Colony Optimization for Meta Task Scheduling in Grid Computing”**, International Journal of Applied Engineering Research, Vol. 10, pp 48 – 54, December 2015, ISSN:0973-4562.
5. **“A study on Task Scheduling Algorithms in Grids”**, International Journal of Engineering and Computer Science, Vol. 4, Issue 8, pp 13934 - 47, ISSN: 2319 – 7242, August 2015.
6. **“A Survey on the Allocation of Grid Resources Using Evolutionary Algorithms”**, International Journal of Engineering and Computer Science, ISSN: 2394-3661, Volume-2, Issue-7, July 2015.
7. **“Dual Objective Min-Min Algorithm for Meta Task Scheduling in Grid Computing”**, European Journal of Scientific Research, **Scopus**, Vol 101, No. 3, Page No: 400 – 408, May 2013, ISSN: 1450 – 216X / 1450 – 202X.
8. **“EMGEN – a Tool to Create ETC matrix With Memory Characteristics for Meta Task Scheduling in Grid Environment”**, The International Journal of Computer Science & Applications (TIJCSA), Vol 2, No. 3, May 2013, ISSN: 2278-1080.

9. **“Memory Constrained Ant Colony System for Task Scheduling in Grid Computing”**, International Journal of Grid Computing and Applications (IJGCA), Vol 3, No.3, Page No. 11 – 20, September 2012, ISSN: 0976-9404 [Online]; 2229-3949 [Print].
10. **“Load Balanced Min-Min Algorithm for Static Meta-Task Scheduling in Grid Computing”**, International Journal of Computer Applications Vol 20, No.2, April 2011, ISBN: 978-93-80749-13-1
11. **“Applying Non-Traditional Optimization Techniques to Task Scheduling in Grid Computing – An Overview”**, International Journal of Research and Reviews in Computer Science Vol 1, No.4, pp 33 - 38 December 2010, ISSN: 2079-2557

#### Papers Presented in International Conference

1. **“ A survey: Grid Computing”**, IT Skills Show & International Conference on Advancements in Computing Resources (SSICACR-2017), 15<sup>th</sup> & 16<sup>th</sup> February 2017, Alagappa University, Karaikudi, pp.41, ISBN: 978-81-8402-673-3.
2. **“Reduced Makespan Task Scheduling Algorithm for Grid Computing”** in the International Conference on Computing Communication and Information Science (ICCCIS’16), conducted by Bishop Heber College, Trichy -2.
3. **“An Ant Colony Optimization Based Load Sharing Technique For Meta Task Scheduling In Grid Computing”** in The Second International Conference on Advances in Computing and Information Technology, AICT 2012, July 13 – 14, 2012, Springer, ISSN: 2194-5357, ISBN: 978-3-642-31551-0, e-ISSN: 2194-5365, e-ISBN: 978-3-642-31552-7
4. **“An Insight into the Heuristics for Task Scheduling in Grid Computing”** in the International Conference on Innovative Computing Technologies ICICT-2010, conducted by M.Kumarasamy College of Engineering, Karur.

#### Papers Presented in National Conference

1. **“Survey on Fault Tolerance Based Various Scheduling and Load Balancing in Grid Computing”**, National Conference on Recent Trends in Informatics, 19<sup>th</sup> March 2018, Alagappa University, Karaikudi.
2. **“A Survey on Security Issues in Grid Computing”**, National Conference on Emerging Trends in Software Development (NCETSD – 2016), 24<sup>th</sup> March 2016, Alagappa University, Karaikudi
3. **“A Study on Dynamic Task Scheduling in Grid Computing”**, National Conference on Emerging Trends in Software Development (NCETSD – 2016), Alagappa University, Karaikudi
4. **“Grid Computing vs Cloud Computing – A Comparative analysis”**, National Conference on Emerging Trends in Software Development (NCETSD – 2016), Alagappa University, Karaikudi
5. **“EMGEN – a Tool to Create ETC matrix With Memory Characteristics for Meta Task Scheduling in Grid Environment”**,

National Conference on Advanced Computing 2013, Jamal Mohamed College, Trichy, March 7, 2013.

6. **“Performance Evaluation of Load Balanced Min-Min Algorithm”**, National Conference on Advanced Computing 2012, Jamal Mohamed College, Trichy, March 1, 2012.
7. **“Grid Enabled Applications”** in the National Conference on Advanced Computing (NCAC 2011), 8<sup>th</sup> Feb 2011, conducted by Jamal Mohamed College, Trichy.
8. **“Multiprocessor Scheduling method using GA”** in the National Conference on Advanced Computing (NCAC 2009), 27<sup>th</sup> & 28<sup>th</sup> March 2009 conducted by Jamal Mohamed College, Trichy.
9. **“Task Efficient matrix & shortest path computation in DP model”** in the National Conference on parallel and distributed computing, 30<sup>th</sup> & 31<sup>st</sup> March 2006, conducted by Cauvery College for Women, Trichy.

### Workshops Attended

- Two days workshop on **“Big Data Analytics and Business Intelligence”** , Department of Computer Science, St. Joseph’s College, 4<sup>th</sup> and 5<sup>th</sup> January 2016
- **“International Seminar on Cyber Security”** held on March 9<sup>th</sup> 2013 organized by Bharathiar University, Coimbatore.
- **“Workshop on Smart Devices Programming using Android”** held on December 8<sup>th</sup> 2012 organized by St. Joseph’s College, Trichy.
- **AICTE sponsored** five days Staff Development Programme on **“Algorithms and Complexity Theory”** held during 31<sup>st</sup> May – 4<sup>th</sup> June 2011 organized by P.R.Engineering College, Thanjavur.
- Two days workshop on **“Recent Advances in Computing Technologies”**, J.J.College of Engineering and Technology, Trichy during 25<sup>th</sup> and 26<sup>th</sup> March 2011.
- Three days workshop on **“Grid and Cloud Computing”** conducted at **PSG College of Technology**, Coimbatore, in Collaboration with ACM Professional Chapter, during January 28 – 30, 2011.
- Two days workshop on **“Research Methodology in Computer Science”** conducted at Jamal Mohamed College, Trichy during December 21 & 22, 2010.
- Two days seminar on **“Intelligent Optimization Techniques for Manufacturing”** conducted at Kongu Engineering College, Perundurai during November 26 & 27, 2010.
- **“Workshop on Research Methodology”** conducted at JJ College of Engineering and Technology, Trichy during January 30, 2010.
- Workshop & Training Programme on **“Cloud Computing”** conducted at M.A.M College of Engineering, Trichy during December 16, 2009.

### Papers Handled

- Computer Organization and Architecture
- Unix and Network Programming

- Digital Fundamentals
- Microprocessors and Microcontrollers
- Object Oriented Programming in C++
- Computer Networks
- Computer Graphics
- Compiler Design
- XML and Web Services
- Operating Systems
- Programming in C
- Programming in Java
- Data Structures
- Data Base Systems
- Web Design
- Web Graphics
- Network Security
- Network Protocols
- Object Oriented Analysis and Design
- Software Quality Management

### Academic Support Activities

- **Acted as a reviewer** in “National Conference on Computing and Communication Technologies (NCCCT 2018)”, organized by Jamal Mohamed College, Trichy-2.
- **Working as a MQAC member** in the Department of Computer Science, St. Joseph’s College, Trichy-2.
- Worked as a member in the preparation of SSR for NAAC report in the Department of Computer Science, St. Joseph’s College, Trichy-2.
- **Organized 3 guest lectures** in the department of M.Sc Software Engineering & Information Technology of A.V.C College of Engineering
- Acted as a **Coordinator for the Inaugural Function** for UG & PG First years in A.V.C College of Engineering
- **Organized a symposium** Technothirst’ 11 -12 in the department of Software Engineering & Information Technology of A.V.C College of Engineering.
- **Worked as a coordinator** for preparing NAAC report for the department of Software Engineering & Information Technology of A.V.C College of Engineering.
- **Faced the ISO audit team** for getting ISO recertification in the department of Software Engineering & Information Technology of A.V.C College of Engineering.
- Acted as one of the **in-charge in conducting the two days workshop** on “Recent Advances in Computing Technologies” conducted by the MCA department of J.J.College of Engineering and Technology
- Acted as an in-charge for maintenance of daily attendance
- Acted as an in-charge for minutes of meeting maintenance
- Acted as a member in logbook review committee
- Acted as a coordinator for students
- Acted as a faculty advisor for students
- Acted as a project advisor for MCA students

- Acted as an in-charge for preparing MODROBS proposal

### Membership in Professional Society

- Life Member in THE INDIAN SOCIETY FOR TECHNICAL EDUCATION – LM72679

### Projects Done

- Indent Follow up System for Dalmia Cements, Dalmiapuram in Visual Basic
- Multipage Editor Using Curses Routines in Unix & C
- Automation of Gas Agency in Dbase III Plus

### Skill Set

Operating System : Windows, Unix, DOS  
Language : JAVA, C++, C, PASCAL, COBOL, FORTRAN, BASIC  
Package : Visual Basic, MS Office, FoxPro, Oracle, Dbase III Plus  
Web : HTML, Flash, Photoshop

### Personal Profile

Marital Status : Married  
Husband Name : C. Ramesh Kumar  
Date of Birth & Age : 05-07-1977, 41  
Known Languages : Tamil, English, Hindi

I do hereby declare that the above information is true to the best of my knowledge.

[T. KOKILA VANI]