

## RESUME

1. Name : Dr. S.VAAHEEDHA KFATHEEN

2. Sex : Female

3. Designation : Assistant Professor

4. Date of Birth : 01.06.1973

5. Address for Communication:

Residence

6 A, Rahimaniya puram,  
10 th Cross, Thillai nagar,  
Tiruchirappalli

Pin: 620 018.

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Department of CS & IT (SF),  
Jamal Mohamed College, Tiruchirappalli

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6. Educational Qualification : M.C.A., M.Phil., SET, Ph.D.,

Examination Passed	Year
M.C.A.,	2001
M.Phil.,	2004
SET	2016
Ph.D.,	2018

7. Experience : 21 years

Undergraduate :21 years

Postgraduate :21 years

M. Phil : 12 Years

8. Language Known : English, Tamil

9. Area of Specialization : Grid Computing .

10. Subjects Taught :  
Undergraduate :
1. Data Structures
  2. Computer Networks
  3. Programming in Java
  4. OOP with C++
- Postgraduate :
1. Cloud Computing
  2. Microprocessor & MicroControllers
  3. Software Engineering
  4. Advanced Computer Architecture

11. Seminars / Conferences / Workshops Attended:

1. UGC sponsored three days workshop on curriculum development and evaluation organized by UGC- Academic Staff College, Bharathidasan University, Trichy, conducted at Jamal Mohamed College, Trichy, dated 2<sup>nd</sup> to 4<sup>th</sup> March 2006.
2. State Level Seminar on Recent Trends in IT at department of Computer science, Jamal Mohamed College, Trichy, dated 28<sup>th</sup> March 2006.
3. State Level Workshop on Research Prospects in Data Mining, Department of Computer Science, Jamal Mohamed College, Trichy, Dated 22<sup>nd</sup> March 2007.
4. Advanced Computing ICAC-09, BUTP and Cauvery College for Women, Tiruchirapalli, 6<sup>th</sup> to 8<sup>th</sup> August 2009.
5. National Conference on Advanced Computing NCAC – 2009, Jamal Mohamed College, 27<sup>th</sup> to 28<sup>th</sup> March 2009.
6. Advanced Computing & Communication Technologies, Holy Cross College, Tiruchirapalli, 20<sup>th</sup> & 21<sup>st</sup> March 2009.
7. National Conference on Emerging Trends in Communication and Information Technology, Holy Cross College, 6<sup>th</sup> and 7<sup>th</sup> January 2010.
8. UGC Sponsored State Level Seminar on “Examination Reforms”, Jamal Mohamed College, Tiruchirappalli on 12<sup>th</sup> March 2010.
9. National level Seminar on Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions- Prospects and Problems, Jamal Mohamed College, Trichy-20.
10. Attended Seminar on “Creating Competitiveness To Excel in Higher Education-a TQM approach” organized by Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli on 8<sup>th</sup> December 2010.
11. National Conference on Advanced Computing, Jamal Mohamed College, Tiruchirappalli, 8<sup>th</sup> February 2011.
12. National Conference on Advanced Computing, PG & Research Department of Computer Science, Jamal Mohamed College, Trichy – 20, 2012.

13. National Conference on Advanced Computing, PG & Research Department of Computer Science, Jamal Mohamed College, Trichy – 20, 7<sup>th</sup> March 2013.
14. Two Days Workshop on Research Areas in Computer Science, Department of Computer Science, Jamal Mohamed College, Trichy-20.23<sup>rd</sup> & 24<sup>th</sup> January 2013.
15. An Awareness and Demonstration Programme, Department of Computer Science, A.V.V.M, Sri Pushpam College, Poondi, Thanjavur.10 th March 2014.
16. Two Days Workshop on Application Development using Middleware Technologies, Anna University, Trichy. 10<sup>th</sup> & 11<sup>th</sup> October 2013.
17. Workshop on Advanced Research Concepts in Computer Science using MATLAB, Bharathidasan University Technology Park, Trichy.18<sup>th</sup> December 2013.
18. International Conference on Challenges and Opportunities of Information Communication Technology, P.G. Department of Computer Science, Bon Secours College for Women, Thanjavur, 5 and 6 February 2014.
19. National Conference on Advanced Computing, PG & Research Department of Computer Science, Jamal Mohamed College, Trichy – 20, 5 th March 2014.
20. One-day National Workshop on Research Issues in Big Data Analytics, Computer Society of India, Tiruchirappalli Chapter at Bharathidasan University Technology Park, Trichy 27 th March 2014.
21. National Conference on Advanced Computing, PG & Research Department of Computer Science, Jamal Mohamed College, Trichy – 20, 5 th March 2015.
22. A Two-Day Workshop on Research Methodology in Computer Science, P.G and Research Department of Computer Science, Jamal Mohamed College, Trichy – 20, January 27-28, 2015.
23. National Conference on Advanced Computing, PG & Research Department of Computer Science, Jamal Mohamed College, Trichy – 20, 15th March 2017.
24. Two day Faculty Development Program on Presentation Skills Level I conducted by ICT Academy on 23<sup>rd</sup> and 24<sup>th</sup> February 2017.
25. UGC Training workshop on “Sexual Harassment at Workplace ( Prevention, Prohibition and Redressal) Act 2013”, organized by the Department of Women’s Studies and the Internal Complaints Committee on Sexual Harassment at workplace, Bharathidasan university, trichy on 18.09.2018.
26. UGC CPE sponsored Two-day workshop on professional development for academic leadership in curriculum design organized by curriculum development cell, Jamal Mohamed College, Trichy on 18<sup>th</sup> and 19<sup>th</sup> January 2019.
27. National Conference on Advanced Computing, PG & Research Department of Computer Science, Jamal Mohamed College, Trichy – 20, 12th March 2019.
28. UGC-Auto Grant Sponsored national seminar on “Emerging trends in computer science” held on 13.07.2019 & 14.07.2019.
29. International Joint Webinar & PG Colloquium 2020 on 28 December 2020.
30. National level virtual conference on information and computing technology, Bishop Heber College, Tiruchirappalli on 25<sup>th</sup> February 2022.

## 12. Papers Presented / Published:

1. D. I. George Amalarethinam and S. Vaaheedha Kfatheen, “Max-min Average Algorithm for Scheduling Tasks in Grid Computing Systems” International Journal of Computer Science and Information Technologies, Vol. 3 (2), 2012,3659-3663,

2. S. Vaaheedha Kfatheen, Dr. M. Nazreen Banu, "RAA : Task Scheduling Algorithm in Grid Computing Environment", CIIT International Journal of Networking and Communication Engineering, Volume 6 (1), 2014, ISSN: 0974-9713.
3. S. Vaaheedha Kfatheen, Dr. M. Nazreen Banu, " TAAG: An Efficient Task Allocation Algorithm for Grid Environment", International Journal of Engineering Technology (IJET), Volume 6(4), 2014, ISSN: 0975 – 4024.
4. S. Vaaheedha Kfatheen, Dr. M . Nazreen Banu, "TLLB : Two-Level Load Balancing Algorithm for Static Meta-Task Scheduling in Grid Computing", International Journal of Computer Applications, Volume 105 (11), 2014, ISSN: 0975-8887.
5. S. Vaaheedha Kfatheen, Dr. M . Nazreen Banu," ATSA : Advanced Task Scheduling Algorithm for Grid Computing Environment", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 11 (2015) pp.28635-28644 © Research India Publications.
6. S. Vaaheedha Kfatheen, Dr. M . Nazreen Banu," MAXRG : Maximization of Resource Utilization for Grid Computing Environment" International Journal of Applied Engineering Research.
7. S. Vaaheedha Kfatheen, Dr. M . Nazreen Banu, "A Survey on Heuristics Scheduling Algorithms of Independent Tasks in Computational Grid", International Conference on Mathematical Methods and Computation, India,2014.
8. S. Vaaheedha Kfatheen, Dr. M. Nazreen Banu, "Role of Meta Heuristic Evolutionary Algorithms in Heterogeneous Grid Scheduling : A Research Framework", International Conference on Advanced Technologies in Computing, India, 2014
- 9 . S.Vaaheedha Kfatheen, Dr. M. Nazreen Banu, "MiM-MaM: A New Task Scheduling Algorithm for Grid Environment", International Conference on Advances in Computer Engineering and Applications (ICACEA),IMS Engineering College, Ghaziabad, India, 2015.
10. S.Vaaheedha Kfatheen, Dr. M. Nazreen Banu," TSA – Task Scheduling Algorithm in Grid Computing", International Conference on Mathematical Methods And Computation, Trichy, 22<sup>nd</sup> and 23<sup>rd</sup> January 2015.
11. S.Vaaheedha Kfatheen, Dr. M. Nazreen Banu," LBA : A New Independent Task Scheduling Algorithm for Grid Environment", State Level Seminar on Computing and Communication Technologies, Trichy, 25<sup>th</sup> February 2015.
12. S. Vaaheedha Kfatheen, Dr. A. Marimuthu, and Fathima, " MSTAG: A new Min-Skew task allocation algorithm for grid computing ", National Conference on Computing and Communication Technologies, 17<sup>th</sup> September 2016.
13. Dr. S. Vaaheedha Kfatheen, " Mean-Min task scheduling algorithm for cloud environment", Malaya Journal of Matematik, Vol. 9, No.1, 810-813, 2021.
14. Dr. S. Vaaheedha Kfatheen, " Task scheduling based on ensemble optimization technique in cloud computing environment", Design Engineering, Vol.2021, Issue:5, 0011-9342, Pages:1050-1064.

### 13. Resource Person :

1. Information System and Audit, Organized by Indira Gandhi College, Trichy 5<sup>th</sup> July 2011.
2. Computer Networks, for the Association Meeting 2013, organized by the Department of Computer Applications on 26 th Dec 2013, DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN, Perambalur.

3. Judge for the Cyberfest' 14, organized by the Department of Computer Science on 16 th Dec 2014, in HOLY CROSS COLLEGE, Trichy.
4. Microprocessor and its Applications, for the Association Meeting 2015, organized by the Department of Computer Science on 23 rd July 2015, in HOLY CROSS COLLEGE, Trichy.
5. Board of studies member, Government College for Women, Department of Computer Science, Kumbakonam on 13.03.2012.
6. Grid Computing, for the Association Meeting 2016, organized by the Department of Computer Science on 20<sup>th</sup> September 2016, in Government College For Women, Kumbakonam.
7. Data Science Using R, organized by the Department of Computer Science on 04 th June 2021, in Rabiammal Ahamed Maideen College for women, Tiruvarur.
8. Hands on Training in ICT Tools, organized by the Department of Information Technology, Cauvery college for women, Trichy on 5<sup>th</sup> February 2022.
9. ICT Tools for E-Content Development, organized by the Department of Computer Science from 07.02.2022 to 11.02.2022, in Rabiammal Ahamed Maideen College for women, Tiruvarur.
10. One week national level workshop on UGC NET Training – Computer Science and Application, organized by Department of Software Systems, PSG college of Arts and Science, Coimbatore.

14. Orientation Course Attended:

1. To attended the UGC Sponsored Orientation Course at Bharathidasan University form 30.04.2005 to 27.05.2005.

15. Refresher Course Attended:

1. To attended the UGC-Sponsored online refresher course in computer science & applications at Bharathidasan University form 22.09.2021 to 05.10.2021.

16. Details of Incharge of Activities: ADA Advisor (2016–2018).

17. Lesson Writer for the CDE-MCA Programme in the Paper-Core Course XXII(CC) – Organizational Dynamics, for the Academic year 2017-2018, IV Semester – MCA.

18. Webinar Attended

1. National level Webinar on “ Unleashing Machine Learning and Cloud Computing” organized by PG Department of Computer Science Holy Cross College , Tiruchirappalli on 09.05.2020
2. National level Webinar on “Guidelines for writing a Research Paper” conducted by Arasu Engineering College, Kumbakonam, Thanjavur Dt., Tamil Nadu on 22.05.2020.
3. International level Webinar on “Recent Trends in Information Technology” J.J. College of Arts and Science, Pudukkottai. On 24.05.2020.
4. National level Webinar on “Cyber Security” conducted by PG department of Information Technology on 07.05.2020.
5. International level Webinar on “Recent Trends in Cloud Computing” conducted by PG department of Information Technology on 11.05.2021.
6. International level Webinar on “Big Data” by PG department of Information Technology on 11.05.2021.

#### 19. FDP Attended

1. FDP on “Presentation Skills Level 1”, conducted by ICT Academy on 23 rd & 24 th February 2017 held at Jamal Mohamed College, Trichy.
2. Virtual FDP on “ Current Trends in Software Engineering: Agile and Scrum Overview”, organized by Department of Computer Applications ,Bishop Heber College, Trichy, TamilNadu,India on 13.05.2020.
3. Virtual FDP:”Robotic Process Automation and its Allied Machine Learning Technique”,organized by Department of Electronics and Communication Engineering, VELS INSTITUTE OF TECHNOLOGY,Tamil Nadu,India. On 23.05.2020.
4. FDP on Data Science using R (Online Live FEP) conducted by ICT Academy on 08 March 2021 to 12 March 2021.
5. Virtual FDP on “AI In Business” organized by the Department of Data Science, St.Joseph’s College (A), Tiruchirappallit on 11.01.2022.
6. Virtual FDP on Overview of IPR Patent and filling aspects organized by Institution’s Innovation Council, jointly with CSIR-IIMT cauvery college for women, dated on 21.02.2022.
7. FDP on “Machine Learning and Deep Learning” conducted form 21<sup>st</sup> to 26<sup>th</sup> February 2022 at Easwari Engineering College, Chennai.

#### 20. Online Course Completed

1. NPTEL Online Course, “Cloud Computing” on Aug-Oct 2019.

#### 21. Books Published

1. Scheduling algorithms in Grid computing environment, Scholars’ press, ISBN:978-613-8-92218-6.
2. Lesson Writer for MCA , IV Semester, Organizational Dynamics, Bharathidasan University, Trichy.
3. Java Script Module for the certificate programme in “Mobile App & Web Development” organized by the Institute for Entrepreneurship and Career Development (IECD), Bharathidasan University, Trichy.