**Faculty Name: DR.R.SUBHA**

**Educational Qualification**

| Degree | Branch | Institution | Year |
|--------|--------|-------------|------|
| B.E., | BE (CSE) | SSM College of Engg., Periyar University | 1998-2002 |
| M.E., | ME (SE) | Sri Ramakrishna Engg., College,Anna University | 2006 |
| PhD | Ph.D | Anna University, Coimbatore | 2014 |

**Experience:**

| Period | No. of. Years | Designation/Nature of job | Institution/Organization |
|--------|---------------|---------------------------|--------------------------|
| 2002-2004 | 2 | Lecture | Karunya Institute of Technology |
| 2007-2016 | 9 | Associate Professor | Sri Krishna College of Technology |

**PUBLICATIONS**

**JOURNALS:**

1. "Candidate Link Generation Using Semantic Pheromone Swarm", International Journal on Natural Language Computing (IJNLC) Vol. 1, No.2, August 2012, ISSN : 2278 - 1307 (Online); 2319 - 4111 (Print). pp 25-36

2. "Quality factor assessment and text summarization of unambiguous natural language requirements", Communications in Computer and Information Science-Springer 361(CCIS) ,pp 131-146 ,2013, ISSN: 1865-0929, pp 131-146

3. "Qualitative reasoning based risk assessment in requirements", Asian Academic Research Journal of Multi-Disciplinary , Volume-1, Issue-7 (March 2013)
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4. "Conceptual Dependency Based Requirements Clustering for Component Selection", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 2, Issue 4, April 2013 , ISSN: 2278 – 1323 , pp 1518-1522

5. "Yager's rule based Privacy Requirements Processing", International Journal of Science , Engineering and Technology Research, Volume 2, No.5, pp 1008-1013 , May 2013 , ISSN: 2278 – 7798

6. "Ontology Extraction and Semantic Ranking of Unambiguous Requirements", Life Science Journal, Volume 10 , No.2,pp 131-138 ,2013,ISSN: 1097-8135.

7. "Analytical Hierarchy Process Based Framework for Modelling Preferences and Priorities in Requirements", International Journal of Computer Science and Business Informatics, Vol. 2, No. 1. June 2013, pp 1-11,ISSN: 1694-2108

8. "Ontology Based Multi-Viewed Approach for Requirements Engineering", International Journal of Computer Science and Business Informatics, Vol 3, No.1, July 2013 , pp 1-11 , ISSN: 1694-2108

9. "Security Requirements Refinement based on Personality Type Analysis", International Journal of Research in Computer Applications & Information Technology, Volume 1, Issue 2, October-December, 2013, pp. 160-169. ISSN Online: 2347-5099

10. "Quality Factor Measurement and Improvement of Textual Requirements Using Semantic Similarity Analysis ", International Journal of Research in Computer Applications & Information Technology, Volume 1, Issue 2, October-December, 2013, pp. 142-147. ISSN Online: 2347-5099

11. "Unsupervised clustering of Requirements", International Journal of Research in Computer Applications & Information Technology, Volume 1, Issue 2, October-December, 2013, pp. 189-194. ISSN Online: 2347-5099.

12. "Study of Satisfaction Assessment Techniques for Textual Requirements ", International Journal of Computer Science and Business Informatics, Vol 11, No.1, March 2014 , pp 56-66 , ISSN: 1694-2108

13. "A Survey on Prioritization Methodologies to Prioritize Non-Functional Requirements", International Journal of Computer Science and Business Informatics, Vol 12, No.1, April 2014 , pp 32-44 , ISSN: 1694-2108

14. "Test Case Prioritization and Test Suite Optimization Using Modified PSO", International Journal of Research in Information Technology, Volume 3, Issue 4, April 2015, Pg. 329-339, ISSN 2001-5569

15. "Survey on cloud data using cipher text –policy attribute based encryption for network security", International journal of multidisciplinary research and development ,Volume 3,Issue 4 April 2016,pg.131-135.ISSN : 2349-5979

**CONFERENCES**
**International Conferences**

1. R.Subha-(2010)-"Association Rule Mining of Multiple Data Sources  A  P- Tree Oriented Approach"- CCITA 2010,V.L.B Janakiammal College of Engineering and Technology,21 -23 Jan 2010.
2. "Quality factor assessment and text summarization of unambiguous natural language requirements", 3$^{rd}$ international conference on advances in Computing, Communication & Control- 2013(ICAC3), Fr. Conceicao Rodrigues College of Engineering, Mumbai, 18-19 January 2013.

**National Conferences**

1. "A Survey of Association Rule Mining Algorithms" , National Conference on High Performance Computing – Vision'06 ,Government College of Engineering, Tirunelveli, April 2006.
2. "PDAM: P-tree oriented Distributed Association Rule Mining", National Conference on Issues and Trends in Advanced Computing (NITAC), Bannari Amman Institute of Technology, Sathyamangalam, May 2006.
3. "Secure User Controlled Routing Infrastructures  with cryptographic Techniques" , National Conference on Networks , Intelligence and Computing Systems  , SNS College of technology ,16 February 2009
4. "Efficient Multicast Authentication Using Batch Signature", National Conference on ACENET11,PSNA College of Engineering and Technology, Dindigul, 05.03.11
5. "Detection of Structural clones with cluster Analysis" ,National Conference on information and Network Management ,Thiyagarajar College of Engineering , Madurai,17th and 18th  March 2011.
6. "Swarm  Intelligence for Requirements tracing",  National Conference on Recent Advances in Computer Vision and Information Technology , NCVIT'12 , Government College of Technology, Coimbatore, pp 179-183 ,March 12 2012.
7. "Swarm Technique for candidate link generation in Requirements tracing", National Conference on Computing , Communication and Information System, NCCCIS'12, Sri Krishna College of Engineering and Technology, Coimbatore, pp 176-180February 10-11,2012.
8. "Semantic Swarm intelligence for candidate links", Intercollegiate Conference on Research issues in Computer Science and Engineering, PSG  College of Technology, Coimbatore, April 9 2012.
9. "Anaphora Detection and NP Co- reference Resolution for antecedent classification in Natural Language Requirements  ",  National Conference on Recent Advances in Computer Vision and Information Technology , NCVIT'12 , Government College of Technology, Coimbatore, pp 148-153 ,March 12 2012.

10. "Implementation of anaphoric ambiguity detection and NP Co-reference resolution in natural language requirements ", National Conference on Computing , Communication and Information System, NCCCIS'12, Sri Krishna College of Engineering and Technology, Coimbatore, pp 139-144 ,February 10-11,2012.

11. "Ambiguity detection and text summarization in natural language requirements", Intercollegiate Conference on Research issues in Computer Science and Engineering, PSG  College of Technology, Coimbatore, April 9 2012.

12.  "Ontology matching of domain and requirement models", Intercollegiate Conference on Research issues in Computer Science and Engineering, PSG   College of Technology, Coimbatore, April 9 2012.

13. "Single and multiword term extraction in a domain document based on relevance based abstraction identification", National conference on recent advances in Computer Science and Engineering  and  Information Technology, Sri Ramakrishna Engineering College , pp 10- 14 ,April 20 2012

14. "Risk  Assessment in Preference goals based on Qualitative reasoning methods", National Conference on Advanced Computing  and Communication Technology, Santhigiri College of Computer Sciences, Thodupuzha, Kerala, pp174-177, November 15,16 2012.

15. "Conceptual dependency based  requirements clustering for component selection", 3rd National  Conference on Recent Advances in Computing (NCRAC 2013), 8th  and 9th March 2013, Sri Krishna College of Engineering and Technology,Coimbatore. ISBN : 978-0-9888421-5-1

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17. "Improvement of textual requirements using frequency based semantic similarity analysis", National Conference  on Advanced Computing , Networking and Cyber Security , 15th March 2014 , Sri Ramakrishna Engineering College, Coimbatore.

18. "Improvement of textual requirements using frequency based semantic similarity analysis", National Conference  on Advanced Computing , Networking and Cyber Security , 15th March 2014 , Sri Ramakrishna Engineering College, Coimbatore.

19. "Priority based clustering of requirements", National Conference  on Knowledge based  Scientific Research and Communication  Engineering (NCKSRCE '14), KSR College of Technology , 15 March 2014.

20. "Aggregation of encryption keys for efficient data sharing", National Conference on "Research Challenges in IoT and Cloud Computing" on 03.03.16 at Sri Krishna College of Technology

21. "Optimization based aggregation for ranking fraud detection in mobile applications ", National Conference on "Research Challenges in IoT and Cloud Computing" on 03.03.16 at Sri Krishna College of Technology