

LIST OF PUBLICATIONS

- i. R. Dhanusha, Dr. S. Rathi, “A Survey on Air Pollution Monitoring Using Internet of Things”, International Journal of Scientific Research in Science, Engineering and Technology, Vol. 7, Issue 3, pp. 350-355, June 2020 (Print ISSN: 2395-1990 | Online ISSN : 2394-4099)
- ii. S. Karthikeyani, S. Rathi, “A Survey on Air Quality Prediction Using Traditional Statistics Method”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol. 6, Issue 3, pp. 942-946, June 2020 (ISSN : 2456-3307)
- iii. Poongothai R, Rathi S, “A Survey on air pollutants concentration prediction using machine learning approaches”, International Research Journal of Engineering and Technology, Vol. 7, Issue 5, pp.8025-8030, May 2020 (ISSN: 2395 – 0072)
- iv. Murugeswari T, and Rathi S, “Cooperative and Optimized Qos Enhanced Distributed Multipath Routing Protocol in Hybrid Wireless Networks”, International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-5, March 2020 (ISSN: 2278-3075)
- v. Murugeswari T, Rathi S, “Priority and interference aware multipath routing based communications for extreme surveillance systems”, Computer Communications (ELSEVIER), Vol. 150, pp. 537-546, January 2020 (ISSN: 0140-3664) **ANNEXURE, Impact Factor: 2.766**
- vi. Archudha Arjunasamy, and **Rathi S**, “Relationship Based Heuristic for selecting friends in Social Internet of Things” An International Journal on Wireless Personal Communications (SPRINGER), Vol. 60, Number 3, April 2019 (ISSN 0929-6212) – **ANNEXURE**
- vii. Suvithavani P, and **Rathi S**, “An intensive study on precision agriculture: Crop yield production”, Journal of the faculty of Agronomy, Vol. 35, Num 2. pp.263-279, September 2018. (ISSN 0378-7818) – **ANNEXURE**
- viii. Harilakshman Raj J. S, and **Rathi S**, “Survey on Detecting Real Spammers and Consequences of Cyber Attacks in Social Networks”, IETE Technical Review (Manuscript ID: 0256-402) – Accepted for publication in Review Volume 2(2), May - June 2018 (ISSN: 0256-4602 Online ISSN: 0974-5971) **Impact Factor:1.330 – ANNEXURE**
- ix. Murugeswari T, and **Rathi S**, “QOS distributed routing protocol for mobile ad-hoc wireless networks using intelligent packet carrying systems, International Journal Design Automation for Embedded Systems (SPRINGER), Volume 22, No. 3, pp. 212-213, September 2018. (ISSN 0929-5585) – **ANNEXURE**
- x. M. Shobana, **Rathi S**, “IOT Malware: An Analysis of IOT Device Hijacking”, International Journal of Scientific Research in Computer Science, Engineering and

Information Technology, Volume 3, Issue 5, pp. 653-662, May-June 2018 (ISSN : 2456-3307)

- xi. Sathya N, and **Rathi S**, "A Survey on reducing semantic gap in Content Based Image Retrieval System", International Journal of Advanced Studies in Computer Science and Engineering (Manuscript ID: IJV7I03014) – Vol. 7, Issue 3, pp. 09-17, March 2018. (ISSN: 2278-7917)
- xii. Pavithra P, **Rathi S**, "Survey on Human Activity Prediction from Unfinished Video", International Journal on Recent trends in Engineering and Research", Vol. 04, issue 3, pp. 290-296, March 2018 (ISSN: 2455-1457), **Impact Factor: 4.101**
- xiii. Neeraja S, **Rathi S**, "A Survey on Detecting License Plates from Low Quality Images", International Journal of Computer Applications Volume 180 – No.27, pp. 9-15, March 2018 (ISSN: 0975 – 8887)
- xiv. Selvamathi A, **Rathi S**, "Real Time Indoor CO2 Monitoring and Control System Using wireless Sensor Networks", International Journal of Scientific & Engineering Research Volume 8, Issue 5, pp. 122-127, May-2017. (ISSN 2229-5518)
- xv. Priyadharsnee.K, **Rathi S**, "An IOT based Smart Irrigation System", International Journal of Scientific & Engineering Research Volume 8, Issue 5, pp. 44-51, May-2017. (ISSN 2229-5518)
- xvi. T. Murugeswari, **S. Rathi**, "Energy efficient spectrum handoff mechanism to improve the QoS in cognitive Radio Networks", in International Journal of Applied Engineering Research, Volume 10, Number 9, pp. 8953-8957, September 2015 (ISSN 0973-4562) - **ANNEXURE II**
- xvii. Murugeswari T, and **Rathi S**, "Improved efficient of QOS aware geographic opportunistic routing in Wireless Sensor Networks", APRN journal of engineering and applied sciences, Vol. 10, Number 9, pp. 3920 – 3923, May 2015 (ISSN 1819-6608) – **ANNEXURE II**
- xviii. Jayanthi J, and **Rathi S**, "A Personalized Search Framework for Industrial Safety and Health Information Retrieval", Journal of Scientific and Industrial Research", Vol. 73, pp. 407 – 414, June 2014 – **ANNEXURE I**
- xix. Jayanthi J, and Rathi S, "Personalized Web Search Methods – A Complete Review", Journal of Theoretical and Applied Information Technology, Vol. 62 No.3 pp. 685-697, 30th April 2014 (ISSN: 1992-8645 and E-ISSN: 1817-3195)
- xx. Jayanthi J, and **Rathi S**, "A novel relevance metric prediction algorithm for a personalized web search", ICT journal on softcomputing, vol. 3, issue 4, pp. 596 – 604, July 2013. (ISSN: 2229-6956)
- xxi. Jayanthi J, and **Rathi S**. "Article: Evaluating the Effectiveness of Web Search Metrics." International Journal of Applied Information Systems, Volume 4, pp 28-35, December 2012. (ISSN: 2249 – 0868)

- xxii. Devi Deivanai S, **Rathi, S.**, and Thanushkodi, “Challenges Faced For Developing 4th Generation Mobile Communication System”, International Journal of Engineering and Innovative Technology, Volume 2, Issue 5, pp 75-80, November 2012. (ISSN: 2277 – 3754)
- xxiii. **Rathi, S.**, and Thanushkodi, K, “Design and Performance Evaluation of an Efficient Home Agent Reliability Protocol”, International Journal of Recent Trends in Engineering, Vol.1, pp 52-56, November 2009. (ISSN: 1797-9617)
- xxiv. **Rathi, S.**, and Thanushkodi, K, “A Secure and Fault-tolerant framework for Mobile IPv6 based networks”, International journal on Computer Science and Information Security, Vol. 5, No. 1, pp 46-55, September 2009. (ISSN: 1947–5500)
- xxv. **Rathi, S.**, and Thanushkodi, K, “A Scalable and Secure Mobile Registration Protocol for IPv6”, International journal on Computer Networks and Internet Research, Vol. 9, No.1, pp. 57-64, July 2009. (ISSN: 1687-4846)
- xxvi. **Rathi, S.**, and Thanushkodi, K, “Performance Analysis of Mobile IP Registration Protocols”, International transactions on Computers, Volume 8, Issue 3, pp. 538 – 548, March 2009 (ISSN: 1109-2750) – **ANNEXURE II**
- xxvii. **Rathi, S.**, and Thanushkodi, K, “Virtual Private Network based Home Agent Reliability Protocol for Mobile IPv6 based Networks”, International transactions on Computer Science and Engineering, Vol. 49, No.1, pp. 213 - 223, October 2008. (ISSN: 1738 -6438)