

1. Name : Dr.S.Tharani
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5. E-mail id :tharanica@auxiliumcollege.edu.in
6. Teaching Experience : 5 Years
7. Area of specialization :Networks
8. Research Experience and Guidance :4 Years of Full Time Research
9. No. of Papers Published 16
10. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences:9
11. No. of Seminars/Workshops/Conferences organized: 2
12. Honors & awards received (Descriptive) :3

### **Patent**

Dr.S.Tharani,Light weight ontology based Intrusion Detection and prevention (IDPS) system, Approved and published by office of the intellectual property India,Chennai,Government of India, CBR Number.26069 Application No.202141032054 published on 16<sup>th</sup> July 2021.

### **List of Publications**

1. S.Tharani.s and G.Ramesh Kumar, “STX Scheme for Reducing Latency with Centralized Matching Algorithms”, *International Journal of Computer Science and Information Security (IJCSIS)*, paper id: Paper 31011205, Vol 10 No. 2 February 2012, ISSN: 1947-5500, indexed by Google scholar, DOAJ, Scibed,Cite seer, pp. 39-49.

2. G.Arutchelvan, G.Ramesh Kumar, S.Tharani, "Implementation of DSR Protocol by Using Distributed Cache Update Algorithms", *International Journal of Computers and Distributed Systems (IJCDS)*, Vol. No.2, Issue 1, December 2012, ISSN: 2278-5183, pp 94-101.
3. S.Tharani, Dr.G.Arutchelvan, "Temporary centralized network Using On-Demand Routing Protocol", *International Journal of Computer Science & Engineering Technology (IJCSET)*, Indexed in DOAJ, Google Scholar, Copernicus, Open J-Gate, Cornell University Library, Scirus, published by Keja Publications Vol. 6, No. 08, Aug 2015, ISSN : 2229-3345, pp. 500-503.
4. S.Tharani, G.Arutchelvan and K.Arulanandam, "Weight based Backbone Clustering Implemented for Multicast MANET ", *International Journal of Trend in Scientific Research and Development(IJTSRD)*, Volume 1(4), ISSN: 2456-6470, Imp fact:2.118, Indexed by UGC, Thomson Reuters, google scholar, Academia.edu, Scribd, Internet archive etc, May-June 2017, pp 698-704.
5. S.Tharani, G.Arutchelvan and K.Arulanandam, "Counter weight and Region based Clustering MANET Implementation for Lagging and Rapid scenarios", *International Journal of creative research Thoughts (IJCRT)*, Volume 6/ issue 1/Jan-2018, Imp fact:5.97, approved by UGC and ISSN :2320-2882, Indexed in Google scholar, Thomsan reuters, Mendeley, Academiaedu, Research gate, cite seerx, Scribd.
6. Dr.G.Arutchelvan, S.Tharani, "Corporate Communication System Over Internet Protocol", Proceedings of National Conference on Global Technology, Organized by Department of Computer Science, Vidhya Sagar Women's college, Chengalpattu, 21st February 2015, ISBN 978-93-80530-44-4, pp. 120-127.
- 7.S.Tharani, G.Arutchelvan and K.Arulanandam, "Temporary Ad hoc Network Implementation through hierarchical protocol", proceedings of International conference on recent trends in computing technology-ICRTCT-2016,organized by University of Madras, 22-23 Feb 2016, paper id 104U, pp. 68, ISBN:978-82-923741-3-0.
- 8.S.Tharani, G.Arutchelvan and K.Arulanandam, "Location Based Clustering Implemented For Multicast Backbone MANET", IEEE International conference on Communication and Signal Processing-ICCSP, Organized by Adhiparasakthi Engineering College, Melmaruvathur, published in IEEE Advanced Technology and Humanity, 6-8 April 2017, [978-1-5090-3799-5/17/\\$13.00@2017](#) IEEE.
9. S.Tharani, G.Arutchelvan and K.Arulanandam, "CWRC Emergency MANET Lagging and Rapid Multicasting Scenarios", National Conference on Image Processing and Pattern Recognition, NCIPPR'17, Organized by Adhiparasakthi College of Arts and Science, 30 Aug 2017,pp1-7.

10. S.Tharani, G.Arutchelvan and K.Arulanandam, "Counter weight and Region based Algorithm Implementation for Lagging and Rapid scenarios", National Conference on Internet of Things (IOT),Organized by Adhiprarsakthi College of Arts and Science,Kalavai, held on 29<sup>th</sup> Aug ,2018,pp-113-117.

11. S.Tharani, G.Arutchelvan, "CWRC Emergency MANET Lagging and Rapid Multicasting Scenarios", National Conference on Design Challenges in Machine Intelligence, NCDMMI'18, Organized by Auxilium College,Vellore on 1<sup>st</sup> Sep 2018 .

12. K.Kuzhali, K.UmaRani and S.Tharani, "Emerging Modes of E-Business In an Economy", National Level Conference on E-Business and Internet Banking on 21<sup>st</sup> Century in India, ebib 19' ,Organized by Global Arts and Science (Women), held on 15<sup>th</sup> Mar 2019.ISBN 978-93-87300-01-9.

13. Dr.S.Tharani,"Counter Weight and Region Based Algorithm Implementation for Lagging and Rapid Scenarios", Two days International Virtual conference on Recent Trends and Techniques in Computing (RTTC – 2021) held at Thiruvalluvar University on 16th and 17th of September 2021.

14. K.Saranya, Dr.S.Tharani, "Query Reorganizing Algorithm for Efficient Boolean Information Filtering", National level conference on Artificial Intelligence and Machine Learning-NCAIML'22 held at Adhiparasakthi College of Arts and Science, Kalavai on 31-03-2022.

15. K.Saranya, Dr.S.Tharani,"Machine Learning for Real Time forecasting of SEMG features for Trunk Muscle Fatigue " , Intrnational Journal of Research in Engineering an Science,ISSN:2320-9356,Volume 10,Issue 5/2022/ pp.71-77.

16. Mrs.Sivagami, Mrs.Arulmozhi, Dr.S.Tharani, "A New Paleopedology Education sector-Challenges in Teaching and Learning", Recent Trends and Challenges in Multidisciplinary applications-volume II , ISBN:978-81-955856-4-9, Volume II.

17. P Prithika, Dr.S.Tharani, “ Luminderm Vet Guard Detection in Animals Using Deep Learning Techniques”,International Journal of Creative Research Thoughts (IJCRT),Volume 12, Issue 3 March 2024 | ISSN: 2320-2882,pp .i866-i874.

18.Induja V., Dr.Tharani S. , “ Enhancing Automative Safety System for Driver Fatigue Detection by Using Mediapipe’s Framework ”, International Journal of Scientific Research in Engineering and Management (IJSREM) , Volume: 08 Issue: 09 | Sept - 2024 SJIF Rating: 8.448 ISSN: 2582-3930,DOI: 10.55041/IJSREM37265 ,imp fac:8.448,UGC care journal,pp.1-6.

19.Arthi E., Dr.Tharani S., “Ticket Raising System”,International Journal of Computer Techniques (IJCT),Volume 12,Issue 5,September 2025, ISSN no: 2394-2231,pp:238-246

### **Paper presented in Conferences/Seminars/Workshops**

1. National Conference on "*Global Technology*", held at Vida Sagar Women's College, Chengalpattu on 21-02-2015.
2. International conference on "*Recent trends in computing technology-ICRTCT-2016*" held at University of Madras on 22-23 Feb 2016.
3. National conference on "*Big Data*" held at Adhiparasakthi College of Arts and Sciences on 24 Feb 2016.
4. IEEE International Conference on "*Communication and Signal Processing*" held at Adhiparasakthi Engineering College, Melmaruvathur on 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> April 2017.
5. National Conference on "Image Processing and Pattern Recognition-NCIPPR'17", Organized by Adhiparasakthi College of Arts and Science, Kalavai on 30 Aug 2017.
6. National Conference on "Internet of Things NC-IOT'18", Organized by Adhiparasakthi College of Arts and Science, Kalavai on 29<sup>th</sup> Aug 2018.
7. National Conference on "Design Challenges in Machine Intelligence, NCDCMMI'18", Organized by Auxilium College, Vellore on 1<sup>st</sup> Sep 2018 .
8. Two days International virtual conference on " *Recent Trend and Techniques in computing (RTTC-2021)* ", organized by Department of computer Science held at Thiruvalluvar University, Vellore on \
9. National level conference on "*Artificial Intelligence and Machine Learning-NCAIML'22*" held at Adhiparasakthi College of Arts and Science, Kalavai on 31-03-2022.

### **Conference/ workshop organized**

1. National level work shop on "*English for Entrepreneurs & Environment and Human Health(EEHH-19)*", Held at Global College of Arts and Science-Women, Veppur on 22<sup>nd</sup> January ,2019.
2. National level Conference on "*E-Business and Internet Banking on 21<sup>st</sup> Century in India(EBIB-19)*", held at Global College of Arts and Science-Women, Veppur on 15<sup>th</sup> MAR 2019.

### **Awards/Recognition received**

1. Cash award received for paper presentation in National level conference on National Conference on "Internet of Things NC-IOT'18", Organized by Adhiparasakthi College of Arts and Science, Kalavai on 29<sup>th</sup> Aug 2018.
2. Received Award for publishing patent publishing "Light weight ontology based Intrusion Detection and prevention (IDPS) system ,Approved and published by office of the intellectual property India, Chennai, Government of India, CBR Number.26069 Application No.202141032054 published on

16<sup>th</sup> July 2021." on the 50<sup>th</sup> college day function held at D.K.M College for Women (Autonomus),Vellore.

3.Cash award received for paper presentation in National level conference on "*Artificial Intelligence and Machine Learning-NCAIML'22*" held at Adhiparasakthi College of Arts and Science, Kalavai on 31-03-2022.