Sri Sai Ram Engineering College

Department of Information Technology

Name : **Dr**. **ADILINE MACRIGA.G**

Designation: Professor

Qualification :   B.E., M.E., Ph.D

Area of Specialization :   Wireless Networks,
                                                                 Mobile Networks

Experience :   Teaching : UG: 28
                                                                             PG :   10
                                                                Industry : Nil   -   yrs

No. of workshop / Conferences / FDP attended :   30

No. of workshop / Conferences / FDP organized: 18

Funded Projects/ Consultancy   : 01

Publication :   Journal
                                                                      National   : - 02
                                                                      International   : - 40

                                                                Conference
                                                                      National   : - 07
                                                                      International   : - 41

                                                                Books :   04

Research Guidance :   03

General :   -
 Member, Academic Council, Anna University
 Acted as Resource person in FDP's

 Reviewer for International Journal & International Conferences

 Acted as Chair person in International Conferences

 Acted as Jurie in Paper presentation & Project presentation

Staff Achievements: -

1. Outstanding Woman Educator & Scholar Award,

   National Foundation for Entrepreneurship Development (NFED), Coimbatore, Mar'18

2. The best Professor Award, Education today publications, Sep'14

Experience:(Details)

S. No	Name of the Institution	Period	No. of Years
01.	Valliammai Polytechnic (SRM Group)	Jun'95 – Aug'97	2
02.	St. Joseph's College of Engineering	Sep'97 – Apr'02	5
03.	Sri Sai Ram Engineering College	Jul'02 – till Date	22 +
Total			29 +

Workshop/Conferences/FDP attended: (List)

1. FDP on "Paloalto-Cyber Security Infrastructure Configuration" at St. Joseph's College of Engineering, Chennai, July'19

2. AICTE sponsored 2 weeks FDP on "Data Science and Exploratory Data Analysis with R and Python", at SSEC, Jun'19

3. NPTEL Course on Introduction to Internet of Things, with FDP , Nov'2018

4. Five days Train the trainer Program on "SECURITY INFRASTRUCTURE SPECIALIST", by NASSCOM, Oct-Nov'18

5. Workshop on EAC, Sponsored b NSTEDB, DST, Govt. of India, MAR'2016

6. FDP on " Python Programming", held at SSEC, JUN'17

7. FDP on "Cloud Computing & Bigdata", held at SSEC, DEC'14

8. One day Conference on Networking, ICT Academy of Tamil Nadu, Chennai Trade Centre, Feb'2016

9. Two days workshop on " Tamil computing", Organized by Tamil Virtual University & Anna University, Feb'2016

10. Two days workshop on "PERVASIVE COMPUTING", held at MIT Campus, ANNA University

11. FDP on "GRAPHICS and MULTIMEDIA", held at SSEC, Jun'07

12. SDP on "MOBILE NETWORKS", held at SSEC,

13. One day National workshop on "SPSS and Research Article Preparation" at SSEC, Apr'09

14. Two days Workshop on "CASE WRITING" at SSEC, Mar'06

15. Two days National Conference on "Distributed Systems and Knowledge Engineering" at SSEC, sep'05

16. FDP on COMPUTER ARCHITECTURE", at SSN College of Engineering,Nov'05

17. Seminar on "Entrepreneurship Awareness Programme", at SSEC, Feb'05

18. One day Workshop on " Emerging Issues Related to Environmental Aspects", at SSEC, Feb'04

19. One day workshop on " Datawarehousing and Datamining", at Jerusalem Engineering College, Feb'05

20. STTP on " Elements of Cryptography in information Security" at SSEC, Feb'03

21. STTP on " Cryptography and Computer Security", held at Kongu Engineering College, Oct-Nov'01

22. Two days national Conference on " Information & Communication Technology", at SSEC, Mar'07

23. FDP on "Balance of Emotional Intelligence in Working Environment for Teaching Faculty", at SSEC, Dec'07

24. Attended a course on " Technical Enhancement Training on Linux Administration", conductedby Advantage Pro, Jun'03

Funded projects (List)

Title of the project	Funding agency	Funds granted
Artificial Voice Synthesizer using fuzzy logic-The translator for dumb	IEDC/ Department of Science & Technology	Rs.1,25,000/-
Stress/ Mood Monitor App and Device based on Heart Rate Sensing	IEDC/ Department of Science & Technology	Rs. 25, 000/-
MODROB – Establishment of Cloud and Data Analytics Lab	AICTE	Rs. 6,02,000/-
Seminar - Recent Trends in Machine Learning and Deep Learning	Tamil Nadu State Council for Science and Technology	Rs. 20,000/-

Patents:

Granted: 02
Filed: 04

Publication: (Details)

Journal Publications

1. G. Adiline Macriga, K. Malarvizhi, S. Sobitha Ahila, Nelson Kennedy Babu C, S. Ayyasamy, B.M. Yashaswini, "Energy Efficient Greedy Tree Based Algorithm For Data Aggregation In Wireless Sensor Network", Measurement: Sensors,(Elseiver) Volume 30, 2023, 100910,ISSN 2665-9174 https://doi.org/10.1016/j.measen.2023.100910 https://www.sciencedirect.com/science/article/pii/S2665917423002465),

2. Subbiah, S., Adiline Macriga, G., Sudha, G., Saranya, S. (2023). Brain Computer Interface for Stroke Psychotherapy: Intonation of Cortical High-Strung.Intelligent Sustainable Systems. ICoISS 2023. Lecture Notes in Networks and Systems, vol 665. Springer, Singapore. https://doi.org/10.1007/978-981-99-1726-6_48

3. Adiline Macriga T, Pooja V, Neha S, "LOST CHILD DETECTOR", International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 05 Issue: 04 | April - 2021 ISSN: 2582-3930. http://ijsrem.com/volume-05-issue-04-april-2021/ (UGC Journal)

4. Saravana Pandian , Sushil Nathan T.Adiline Macriga, "C-19 Auxilium", International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 05 Issue: 04 | April - 2021 ISSN: 2582-3930 . http://ijsrem.com/current-issues/ (UGC Journal)

5. Dr. G. Adiline Macriga. Praveen Kumar R, Sidaardh S, "Support to farmers for getting maximum profitfor their produce – A field to Market Application (F-M APP)", Test Engineering and Management, Volume 83, ISSN: 0193 – 4120, Page No. 13820 13825, March - April 2020. http://www.testmagzine.biz/index.php/testmagzine/article/view/6134/4835

6. Karpagavalli S, Karthiga S, Adiline Macriga G, "Stress Buster and Depression Relief", Test Engineeringand Management, Volume 83, ISSN: 0193 – 4120, Page No. 13863 - 13867, March - April 2020. http://testmagzine.biz/index.php/testmagzine/article/view/6143/4841

7. Adiline Macriga. G, M. Fathima Fathila, A. Helen, R. Rijwana, "Automatic Identification And Monitoring System For Fisherman Based On Narrowband And Internet Of Things Communications Systems", © 2019 JETIR April 2019, Volume 6, Issue 4 www.jetir.org (ISSN-2349-5162)

8. Adiline Macriga. G, "Prevention Technique For Creating Fake Profiles And Accounts On Websites", Compusoft, An international journal of advanced computer technology, 7(10), October-2018 (Volume-VII,

Issue-X) pp: 2026 – 2830, 2018. https://ijact.in/index.php/ijact/article/view/744/603

9. V.Akila, Dr.T.Sheela, **G.Adiline Macriga, "**Efficient Packet Scheduling Technique for Data Merging in Wireless Sensor Networks", China Communications, Vol. 14, Issue 41, pp: 35-46, 2017.

10. M.R. Yuvaraj, G. Adiline Macriga, S. Veenadhari, "Proxy Based Resource Allocation and Access in Cloud Environment", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 1, pp:1360-1369,2017

11. C. Vijayakumaran, T. Adiline Macriga and S. Veenadhari, "An Integrated Trust based Inter-Cluster and Intra-Cluster Communication for Secure Multicast Routing in MANETs", Middle-East Journal of Scientific Research 25 (1): pp 95-101, 2017

12. G. Kumaresan, T. Adiline Macriga and S. Veenadhari, "Vehicle Direction Based Routing for VANET", Middle-East Journal of Scientific Research 24 (12): pp 3888-3893, 2016.

13. Yamini. R Adiline Macriga. G Anusuya Joel. J, Shruthi Lavanya. S, "Monitoring real time data and secure retrieval for Telemedicine systems", International Journal Of Science And   Innovative Engineering & Technology, 2016, pp 1-4.

14. G Kumaresan, T Adiline Macriga, "Group Key Authentication scheme for Vanet INtrusion detection (GKAVIN)", Springer US, 2016, pp 1 – 11.

15. G Kumaresan, T Adiline Macriga, "Destination and Moving Direction Based Routing For Vanet", AISECT University, Volume: 5 / Issue: 9, Mar, 2016

    ISSN: 2278-4187 Published URL:http://aujournals.ipublisher.in/a/55684

16. C. Vijayakumaran, Adiline Macriga. T, " An Integrated Intrusion Detection and Adaptive False Localization Techniques for MANET's", Advances in Natural and Applied Sciences, ISSN: 1995-0772 Vol.9 No. 8, July 2015, pp 15 – 21.

17. G. Kumaresan, Adiline Macriga. T, " Signature Based Scheme for Secure and Efficient Data Dissemination in Cluster based VANET", Australian Journal of Basic and Applied Sciences, ISSN: 1991-8178 Vol. 9 No. 23, july 2015, pp 585 – 595.

18. M. R. Yuvaraj, Adiline Macriga. T, "Design of Effective Resource Allocation in Cloud Environment", International Journal of Applied Engineering Research, ISSN 0973 – 4562 Volume 9, Number 24, pp. 30143 – 30156, 2014

19. M. R. Yuvaraj, Adiline Macriga. T, " Priority Based Resource Allocation in Hybrid Network Environment", International Journal of Electronics and Information Engineering, Vol. 3, No. 2, pp 81 – 90, 2015.

20. Adiline Macriga. G, M. Gowsalya Devi, "pathBeam - Intelligent NetworkDesign for Efficient Available Bandwidth Evaluation for LTE Network Path", International Journal of Applied Engineering Research, Volume 10, Number 6, pp. 5210 – 5216, 2015.

21. Uthra K, Harini G.B, Suganya S, T.Adiline Macriga, "Visual Acuity Test In General And Emergency Cases

Using Mobile Services", International Journal of Soft Computing and Artificial Intelligence, Volume-2, Issue-1, May-2014.

22. Adiline Macriga. G, Kumaresan, "Cluster Based Architecture for Emergency Message Dissemination and Collision Avoidance in VANET", International Journal of Applied Engineering Research, Volume 9, Number 24, pp. 22203 – 22220, 2014.

23. Adiline Macriga. G, Vijaya Kumaran. C, "Trust Based Coded Multicast Routing with Secure Authentication in MANET", International Journal of Applied Engineering Research, Volume 9, Number 24, pp. 27277 – 27290, 2014.

24. Adiline Macriga. G, Ms.T.Gowthami, "Smart Home Monitoring and Controlling System Using Android Phone", International Journal of Emerging Technology and Advanced Engineering (IJETAE) ISSN 2250-2459, Volume 3, Issue 11, November 2014.

25. C. Vijayakumaran, and T. Adiline Magrica, "An Efficient Adaptive Cache Update Protocol For Mobile Adhoc Networks", AISECT University, Volume: 3 / Issue: 6 Year: Sep, 2014 ISSN: 2278-4187
        Published URL:http://aujournals.ipublisher.in/a/55615

26. C. Vijayakumaran, and T. Adiline Magrica, "An Efficient Adaptive Cache Update Protocol for Mobile Adhoc Networks (MANETs)", Association of Computer Electronics and Electrical Engineers(ACEEE), 2013.

27. Adiline Macriga G and Bino. J, "Performance Enhancement By Using Optimum Beamforming Algorithm In Cognitive Network", International Journal of Emerging Technology and Advanced Engineering, Volume 3, Special Issue 1, pp. 297 - 301, January 2013.

28. Adiline Macriga G and Priyadharshini. V, "An Efficient Data Mining for Credit Card Fraud Detection using Finger Print Recognition", International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970) Volume-2 Number-4 Issue-7, pp. 58 – 61, December-2012.

29. Adiline Macriga G and Surya V.S, "Location Management and Resource Allocation Using Load Balancing in Wireless Heterogeneous Networks", Advances in Computer Science and Information Technology. Networks and Communications, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering Volume 84, pp 383-393, 2012.

30. Adiline Macriga T and Anandha kumar P, 'Mobility management for Seamless Flow of Information in Wireless Networks', European Journal of Scientific Research, Vol. 52, No. 2, pp. 147 – 155, 2011

31. Adiline Macriga T and Anandha kumar P, 'Mobility Management for Seamless Information Flow in a Heterogeneous Networks', Journal of Computer Science, vol. 7, No.3,pp. 2011

32. Adiline Macriga. T and Nisha Devi. T, "A Novel Approach for Optimal Network Selection in Heterogeneous Wireless Networks", International Journal of Computer Communication and Information System (IJCCIS), Vol. 2. No1, 2011.

33. Adiline Macriga T and Anandha kumar P, 'Mobility management for seamless services in a heterogeneous

networks', **Journal of Computer Information Systems**, Vol.1, No. 3, ISSN: 2228 5208,pp. 33-40, 2010

34. **Adiline Macriga T** and Anandha kumar P, 'Mobility management for seamless information flow in a heterogeneous networks', **International Journal of Computing Technology**, ISSN: 0976-5956 (October 2010).

35. **Adiline Macriga. T and Nisha Devi. T**, 2011, "A Novel Approach for Optimal Network Selection in Heterogeneous Wireless Networks", The International Joint Journal conference on Engineering And Technology (IJJCET'10), 2010

36. **Adiline Macriga T** and Anandha kumar P, 'Mobility management for seamless flow of information using heterogeneous networks', International **Journal of Management Research and Technology**, **Accepted for publication** in July – Dec 2010 issue .

37. **Adiline Macriga T** and Anandha kumar P, 'Seamless information flow in a heterogeneous networks using mobility management', **International Journal of Computer Science and Emerging Technologies**, Vol.1, No. 1, pp. 39-48, 2010.

38. Adiline Macriga T and Anandha kumar P, 'Mobility management for seamless information flow in heterogeneous networks using hybrid handover', International Journal on Computer Science and Network Security, Vol.10, No.2, ISSN: 1738-7906, pp. 61-70, 2010.

39. Adiline Macriga T and Anandha kumar P, 'Seamless data services for real time communication in a heterogeneous networks using network tracking and management', International Journal on Computer Science and Information Security, Vol.7, No.3, ISSN: 1847-5500, pp. 84-91, 2010.

Conferences

1. **Adiline MacRiga, G., Sankari, V.U., Kishore, M.A., Roshin, D. "Overview on Credit Card Authentication System",** 2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings**, 2024**

2. G. Adiline Macriga, B. Kamala, R. Niranjan, V. Meenakshi Sundaram, "Blockchain Powered Real Estate Management System" , 2nd International Conference on Deep Sciences for Computing and Communications-2023 (XAI & Digital Twin Edition) ICONDEEPCOM 20th to -22nd , APRIL 2023, SRM Institute of Science and Technology Kattankulathur, School of Computing Department of Computational Intelligence.,(Online September 2024)

    https://link.springer.com/chapter/10.1007/978-3-031-68905-5_5

3. **G. Adiline Macriga,, Gokula Madhavan, B., Kotteeswaran, B. "AGROFACTS",** 2023 Intelligent Computing and Control for Engineering and **Control for Engineering and Business Systems, ICCEBS 2023**

4. **Saradha, K.R., Kavin, T., Udayakumar, G., ...Gayathri, S., MacRiga, G.A.,** **"**Cybug - The Malicious File Detecting Software", 2023 Intelligent Computing and Control for Engineering and Control for Engineering and Business Systems, ICCEBS 2023

5. MacRiga, G.A., Agustin Jebakumar, V., Ariharan, S. Currency "Detector For Visually Impaired", 2023 Intelligent Computing and Control for Engineering and Control for Engineering and Business Systems, ICCEBS 2023

6. G. **Adiline Macriga**, Samyukthaa, V.N., Yogavarshini, S. "Hospital Management System", 2023 Intelligent Computing and Control for Engineering and Control for Engineering and Business Systems, ICCEBS 2023

7. Subbiah, S., Adiline Macriga, G., Sudha, G., Saranya, S. (2023). Brain Computer Interface for Stroke Psychotherapy: Intonation of Cortical High-Strung, International Conference on Intelligent Sustainable Systems, ICoISS 2023, 2-3 February, Tirunelveli, India

8. Rufina B, Sharmila L, Dr. G. Adiline Macriga, "IoT based Smart Cane and Smart Specs for Visually Impaired", INTERNATIONAL CONFERENCE on "Digital Transformation in Business Management and Economics" ICDTBME – 2023 Organized by School of Management Studies, Sree Sastha Institute of Engineering and Technology, SSIET, 24.03.2023.

9. G. Adiline Macriga;Tharun Raj. D;Sneha Jaiswal. J Artificial "Intelligence Based Smart Robot Predicting Human Activities", 2022 1st International Conference on Computational Science and Technology (ICCST), CHENNAI, India, 2022, pp. 166-172, doi: 10.1109/ICCST55948.2022.10040414, Year: 2022 | Conference Paper | Publisher: IEEE

   https://ieeexplore.ieee.org/document/10040414

10. G. Adiline Macriga; S. Susila Sakthy; R. Niranjan; Shubhadeepa Sahu, "An Emerging Technology: Integrating IoT with 5G Cellular Network", 2021 4th International Conference on Computing and Communications Technologies (ICCCT), 16-17 December 2021, Publisher IEEE
    Publication Link: https://ieeexplore.ieee.org/document/9711799
    Date Added to IEEE Xplore: 18 February 2022, DOI: 10.1109/ICCCT53315.2021.9711799

11. S. Susila Sakthy; G.Adiline Macriga; J.Aruna Jasmine; V Vijay Babu; N Mohamed Sayhanuddin, "Integrated Web Application for Skill Development and Job Application", 2021 4th International Conference on Computing and Communications Technologies (ICCCT), 16-17 December 2021, Publisher IEEE
    Publication Link: https://ieeexplore.ieee.org/document/9711801
    Date Added to IEEE Xplore: 18 February 2022,
    DOI: 10.1109/ICCCT53315.2021.9711801

12. Dr. G. Adiline Macriga. Praveen Kumar R, Sidaardh S, "Support to farmers for getting maximum profit for their produce – A field to Market Application (F-M APP)", International Conference on Computing, Communication and Control" On 28th –29th February 2020 at Sri Sairam College of Engineering Chennai, Tamilnadu.

13. Karpagavalli S, Karthiga S, Adiline Macriga G, "Stress Buster and Depression Relief", International Conference on Computing, Communication and Control" On 28th –29th February 2020 at Sri Sairam College of Engineering Chennai, Tamilnadu

14. Adiline Macriga. G, S. R. Leoram Siddarth, P. Sivadinesh, "Monitoring real time data and secure retrieval for

Telemedicine systems", International Conference on Smart Systems and Inventive Technology (ICSSIT 2019)" which is going to be held at Francis Xavier Engineering College, Tirunelveli, India during 27-29 November, 2019.

15. Adiline Macriga. G, M. Fathima Fathila, A. Helen, R. Rijwana, "Automatic Identification and Monitoring System for Fisherman based on Narrowband and IoT Communication" 2019 Third International Conference on Computing and Communication Technologies (ICCCT'19) on 21st and 22nd February, 2019 in the Department of Information Technology, Sri Sai Ram Engineering College, Chennai, 2019

16. Kruthiga. K, Anusudha. S, Adiline Macriga. G, "Artificial voice synthesizer using Fuzzy logics, The translator for Dumb", 2017 Second International Conference on Computing and Communication Technologies (ICCCT'17) on 23rd and 24th February, 2017 in the Department of Information Technology, Sri Sai Ram Engineering College, Chennai, 2017.

17. S.R. Surya, **Adiline Macriga. G, "**A survey on wireless networks attacks", 2017 Second International Conference on Computing and Communication Technologies (ICCCT'17) on 23rd and 24th February, 2017 in the Department of Information Technology, Sri Sai Ram Engineering College, Chennai, 2017.

18. **Adiline Macriga. G**, C. Vijayakumaran, "An integrated Game Theoretical Approach to detect misbehaving nodes in MANETs", 2017 Second International Conference on Computing and Communication Technologies (ICCCT'17) on 23rd and 24th February, 2017 in the Department of Information Technology, Sri Sai Ram Engineering College, Chennai, 2017.

19. S R Surya, Dr.G Adiline Magrica, "Semi-Supervised Learning Approach against Sybil Attacks in Wireless Networks Without Trusted Authorities", International Conference on Recent Trends in Computing and Information Technology, SRM University, Chennai, 2017

20. **Adiline Macriga. G,** M. Gowsalya Devi, "Intelligent Design for Real Time Monitoring and Management of Data Transmission in M2M Environment", International Conference on Computing, Communications and Technologies (ICCCT'15), Sri Sai Ram Engineering College, Chennai, 2015.

21. **Adiline Macriga. G,** M. Gowsaya Devi, "pathBeam - Intelligent NetworkDesign for Efficient Available Bandwidth Evaluation for LTE Network Path", ICGPC International Conference", St. Peters University, Chennai, 2015.

22. **Adiline Macriga. G,** Vijaya Kumaran. C, "A Distributed Intrusion Detection System to Thwart Security Attacks in Mobile Adhoc Networks",2014 International Conference on "Computing for Sustainable Global Development", 5th– 7th March, 2014 Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA).

23. **Adiline Macriga. G,** Ms.B.Amudha Bharathi, "Secure Manets From Intrusion Using Hybrid Cryptographic Techniques" in an International Conference on Advances in Engineering, Technology

and Management (ICAET^M - 2014) held at NPR College of Engineering and Technology in Dindigul.

24. Adiline Macriga. G, Ms.T.Gowthami, "Mobile Computing Based On Smart Home Monitoring and Controlling" in the National Conference on Communication Signal Processing and IC Design (NCCSPID'14) on 28th & 29th of March'14 held at Adithya Institute of Technology in Coimbatore

25. B.Amudha Bharathi, Dr.G.Adiline Macriga, "Secure Manets From Intrusion Using Hybrid Cryptographic Techniques" in an International Conference on Advances in Engineering, Technology and Management (ICAETM - 2014) held at NPR College of Engineering and Technology in Dindigul. Ms.B.Amudha Bharathi, Dr.G.Adiline Macriga, "Secure Manets From Intrusion Using Hybrid

26. Ms.T.Gowthami, Dr.G.Adiline Macriga, "Mobile Computing Based On Smart Home Monitoring and Controlling" in the National Conference on Communication Signal Processing and IC Design (NCCSPID'14) on 2^{8th} & 2^{9th} of March'14 held at Adithya Institute of Technology in Coimbatore.

27. Adiline Macriga G and Bino. J, "Enhancing the Performance in Cognitive Network", 2013 International Conference on Green High Performance Computing ICGHPC'13), St. Xavier's Catholic College Nagercoil, Tamilnadu, India.

28. Adiline Macriga G, and Priyadharshini. V, " An Efficient Data Mining for Credit Card Fraud Detection using Finger print Recognition", Proceedings of 2nd National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC - 2013), RMK Engineering College, Chennai.

29. Adiline Macriga G and Bino. J, **"Interference Cancellation in Cognitive Network",** "National Conference",TTEE'12,Ponjesly College of Engineering, Nagercoil Kanyakumari District.

30. Adiline Macriga G and Bino. J, "**Performance Enhancement in Cognitive Network",** "National Conference", ENIAC'12, National Engineering College, Kovilpatti, Virudhunagar District.

31. Adiline Macriga G and Bino. J, "**Performance Enhancement by Using Beamforming in Cognitive Network**", **"**National Conference", NCFCSIT'12, Sri Ramanujar Engineering College,Kolapakkam, Vandalur.

32. Adiline Macriga G and Bino. J, "**Performance Enhancement by Using Optimum Beamforming Algorithm in Cognitive Network",** "International Conference on

    Information, Systems and Computing (ICISC'13)",Sri Sai Ram Engineering College,West Tambaram.

33. Adiline Macriga G and Priyadharshini. V, "An Efficient Data Mining For Credit Card Fraud Detection Using Finger Print Recognition", Kalasalingam University. 2012

34. Adiline Macriga G, Ujjval, Subramanian, Vignesh R, "MISTIKOS-Secure Data Transmission In Wireless Network", IEEE Students' Conference on Electrical, Electronics and Computer Science, 2012.

35. Adiline Macriga G and Surya. V. S, "Location Management And Resource Allocation Using Load Balancing In Wireless Heterogeneous Networks", TheThird International Conference onWireless & Mobile Networks(WiMoNe 3.0),Advances in Computer Science and Information Technology(ICST), at Royal Orchid Central, Jan 2-4 2012,Bangalore (SPRINGER)

36. **Adiline Macriga T** and V.S Surya, 2012, " Location Management and resource Allocation Using Load Balancing in Wireless Heterogeneous networks", Second International Conference, CCSIT 2012, Networks and Communications, Springer, Bangalore.

37. **Adiline Macriga T** and Nisha Devi. T, 2011, " A Novel Approach for Optimal Network Selection in Heterogeneous Wireless Networks", Third International conference on Electronics Computer Technology, (IEEE sponsored Conference), Nagercoil.

38. **Adiline Macriga T** and Anandha kumar P, 2009, "Seamless communication in heterogeneous network", International conference on Innovative Computing, Information and Communication Technology, SSEC, Chennai. ISBN 978-93-80043-49-4

39. Adiline Macriga T and Anandha kumar P, 2009, "Mobility management for seamless flow of real time information in heterogeneous network", SCC 2009 – IEEE International Conference on Services Computing, Bangalore, India.

40. **Adiline Macriga T** and Anandha kumar P, 2009, "Seamless Communication in Heterogeneous Networks" International conference on Impact of Economic Crisis in Global Business Scenario, SIMS, Chennai.

41. **Adiline Macriga T** and Anandha kumar P, 2007, "Security in internetworking 3G- WLAN: Challenges and solutions – A proposed approach", International Conference on Global Business Strategy in Competitive Environment, SIMS, Chennai.

National Journal

1. **Adiline Macriga T** and Nityanandam N, 'Ubiquitous data services for real time communication in heterogeneous networks', SSEC Tech Journal, Vol.8, ISSN: 0975-2846, pp. 524-527, 2009.

National Conferences

1. Adiline Macriga. G, Charu Preethi. B, Astha Trivedi, "Data Protegere – A Novel Architecture For Shielding Data In IoT", National Conference on Recent Trends in Computing and Technology (NCRTCT'18), 2018

2. Adiline Macriga. G, Niranjana.J, "Social Behavior Of Global Community In Manet With

Human Mobility", National Conference on Recent Trends in Computing & Communications (NCTRCC '16), 2016

3. Adiline Macriga. T, Surya V.S, 2012," Allocation of Resources for reducing Congestion Control in Wireless Heterogeneous networks", 3rd National Conference on Issues and trends in Advanced Computing (NITAC 2012), Bannari Amman Institue of Technology, Coimbatore.

4. Adiline Macriga. G, M. Rajalakshmi, R, Rathna Devi, kanika, 2012, " Facile Landwirtshaft – An Agricultural Monitoring System", 5th national Conference on Rescent Trends in Information and Communication Technology (RTICT 2012), Bannari Amman Institue of Technology, Coimbatore.

5. **Adiline Macriga T** and Alwin Vinoth T, 2012, "Stealthy Attacks Detection in Wireless Adhoc Networks by using SADEC Protocol", 5th National Conference on Emerging Advancement in Communication Tecnologies, (IEEE sponsored Conference), Chennai.

6. **Adiline Macriga T,** Balaji Sunder, Ganesh Muralidharan, Vaiibav Mugundan, 2009, "Seamless mobility in heterogeneous network with location tracking and handover management", 3rd National conference on recent trends in Information Technology, Kamaraj College of Engineering and Technology, Virudhunagar.

7. **Adiline Macriga T,** " Secondary Education System in India – Strategy to march towards Leadership", National Seminar on Educational Leadership, Mar'05

Book Published

1. Computer Programming, Sri Krishna Hitech Publishing Company Pvt. Ltd, April 2014
2. Advance Network Security, R.K, Publications, ISBN: 978-81-19140-31-2, Year 2023

Thesis Link

http://hdl.handle.net/10603/9825

Academic/Professional Membership

- IEEE Senior Member **(98102173)**
- Life Member, Indian Society for Technical Education (ISTE), New Delhi, Membership No: 25587.
- Member, International Association of Engineers (IAENG), Membership No.114014
- Senior Member, International Association of Computer Science and Information Technology (IACSIT), Membership No. **80344219**
- Senior Professional Member, Institute for Engineering Research and Publication **(IFERP)** Membership No. PMIN73295480