



**Dr. A. MEIAPPANE**

**Associate Professor**  
**Manakula Vinayagar Institute of**  
**Technology, Madagadipet,**  
**Puducherry, Pin code – 605 107.**  
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**Professional Objective:**

A challenging position that seeks an ambitious and career conscious person, where acquired technical skills will be utilized towards diverse job responsibilities, continued growth and contribution to the institution success

**Career profile:**

To provide meaningful instruction to students specifically in Technology, utilizing my content knowledge, classroom management skills, pedagogical expertise and a tenure track position, which will allow for adequate time and funding to be directed toward research.

**Educational qualification:**

- Ph.D : Computer Science & Engineering (Banking Technology) – Interdisciplinary Research from Pondicherry University, Puducherry.
- Ph.D Title : Mining Design Patterns for Internet Banking Architecture to Ameliorate Software Qualities.  
Submission of thesis: February 2014.  
Date of Defence : 22.08.2014.
- M.E./M.Tech : M.Tech. (Computer Science & Engineering) with Distinction in year June 2008 from Pondicherry University, Puducherry.

**Work experience: (starting from present position)**

| S.No | Employer | Designation         | Period of Service         | Nature of Work                                                                                                               |
|------|----------|---------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1    | MVIT     | Associate Professor | Nov 2012 to Till Date     | Handling both Theory and Laboratory classes. Exam Cell Incharge, R&D Cell.                                                   |
| 2    | SMVEC    | Associate Professor | June 2010 to October 2012 | Handling both Theory and Laboratory classes. R & D Cell, M.Tech.(CSE) Co-od., Canteen Incharge, Vanavil Academy Dept. Co-od, |
|      |          | Assistant Professor | June 2001 to May 2010     |                                                                                                                              |

### **Teaching Activities: (Subjects Taught)**

#### **(i) Under Graduate :**

1. Software Project Management
2. Object Oriented Analysis and Design
3. Data Mining and Warehousing
4. Distributed Computing
5. Computer Networks
6. Client Server Architecture
7. Computer Networks
8. Software Project Management
9. Software Quality Management
10. Bio-Informatics
11. Object Oriented Programming
12. Data base Management systems
13. Introduction to Information Technolog

#### **(ii) Post Graduate :**

1. E-Commerce
2. Accounting & Financial Management
3. Operating Systems
4. Data base Management systems
5. Software Project Management
6. Object Oriented System Design
7. High Speed Networks
8. Software Architecture

#### **(iii) Laboratories handled:**

1. Computer Networks Lab
2. Operating System Lab
3. Case Tools Lab
4. OOAD Lab
5. DBMS Lab
6. OOP Lab

### **Major tasks handled:**

1. Placement coordinator (SMVEC) to the Department of Information Technology students and training the students to get placement.
2. Participated as coordinator in various committees in various functions, seminars and Staff Development Programs held in SMVEC.
3. Participated as department coordinator for National Board of Accreditation Sri Manakula Vinayagar Engineering College, Pondicherry – 2005.
4. Conducted a technical exhibition “waves 2004” in cooperation with Dept. of EEE, SMVEC.

5. Participated as Program Coordinator for ISO Certification of SMVEC, Pondicherry, 2002.
6. Class Advisor in the Department of Information Technology.
7. Nodal Officer – MIT for Pondicherry University Exams.
8. Exam cell coordinator in MIT, Puducherry
9. Organizing Secretary for ISTE Sponsored workshop on “Research and Development in Engineering Institutions”, on 13.09.2014
10. Officer incharge - MSME TBI, MVIT
11. Nodal Officer - Election Department
12. GATE Examination Dept Coordinator
13. Academic Planning Committee Coordinator
14. R & D Coordinator - Department Level
15. Lecture Hall Arrangement Coordinator
16. Stock Verification Coordinator - Library (2015-2016)
17. IQAC Committee Member for EEE department
18. MVIT Dreams - IT Dept. Incharge
19. Department Association Paper Presentation Coordinator SAIT - 12.8.2015 for the academic year 2015-2016
20. Department Paper Presentation coordinator for the MITILENCE 16 - 12.2.2016 & 13.2.2016
21. Department Paper Presentation coordinator for the SCAN 2016 - 11.3.2016

**Paper Publications / Presentation:**

|                          | <b>Published</b> | <b>Accepted</b> | <b>Communicated</b> | <b>Total</b> |
|--------------------------|------------------|-----------------|---------------------|--------------|
| International Journal    | 29               | -               | -                   | 29           |
| National Journal         | -                | -               | -                   |              |
| International Conference | 21               | -               | -                   | 21           |
| National Conference      | 18               | -               | -                   | 18           |

**PUBLICATION ENCLOSED:**

**INTERNATIONAL JOURNALS :**

1. Meiappane. A, Maheswaran. S, Prabhakaran. M, Lakshmi Narayanan. A “*Mobile Agent Architecture for Networking in Hospital Organizations and Healthcare Enterprises*” **International Journal of Computer Theory and Engineering (IJCTE)** Article 34, (Vol.1, No. 3, August 2009), Page 209-215. ISSN: 1793-8201.

2. Meiappane. A, J. Sobana, G. Deivanai, K. Janaky "Routing and Performance-aware Scheduling for Multi-Hop WMN" in **Ubiquitous Computing and Communication Journal (UBICC)**, A Special Issue for The International Conference on Computing, Communications and Information Technology Applications (CCITA-2010), Section 2, Paper/Letter ID: 463, ISSN 1992-8424.
3. Meiappane. A, J. Subashree, I. Vaishnavi Devi, P. Dhanavanthini "IP Fast Reroute using LFA and Not-via addresses" in **Ubiquitous Computing and Communication Journal (UBICC)**, A Special Issue for The International Conference on Computing, Communications and Information Technology Applications (CCITA-2010), Section 2, Paper/Letter ID: 462, ISSN 1992-8424.
4. A. Meiappane, Dr. V. Prasanna Venkatesan, S. Selva Murugan, A. Arun, A. Ramachandran, "Architectural Pattern of Health Care System Using GSM Networks," **International Journal of Computer Theory and Engineering(IJCTE)**, ISSN: 1793-8201. vol. 3, no. 1, pp. 64-70, February 2011.
5. A. Meiappane, K. Gideon and Dr.V. Prasanna Venkatesan, "The Adaptive Framework of Internet Banking Services Based on Customer Classification" **CiiT International Journal of Data Mining Knowledge Engineering**, Print: ISSN 0974 – 9683 & Online: ISSN 0974 – 9578, August 2011, DOI: DMKE082011011. **(Impact Factor 0.621)**
6. A. Meiappane, Dr. V. Prasanna Venkatesan, V. Jegatheeswari, B. Kalpana, U. Sarumathy "Pattern Based Adaptive Architecture For Internet Banking" **International Journal of Information Technology and Engineering (IJITE)**, ISSN 2229-7367, Volume 3, Number 1-2, June 2012.
7. A. Meiappane, J. Prabavadhi, Dr. V. Prasanna Venkatesan "Strategy Pattern: Payment Pattern for Internet Banking" **International Journal of Information Technology and Engineering (IJITE)**, ISSN 2229-7367, Volume 3, Number 1-2, June 2012.
8. A. Meiappane, Dr. V. Prasanna Venkatesan, V. Jegatheeswari, B. Kalpana, U. Sarumathy "The Pattern as a Reusable Component to Adaptive Framework for Load Balancing Mobile Agent in Internet Banking" **International Journal of Computer Science Issues (IJCSI)**, ISSN (online): 1694-0814, IJCSI Volume 9, Issue 2, March 2012. **(Impact Factor 0.242)**
9. A. Meiappane, J. Prabavadhi, Dr. V. Prasanna Venkatesan "Visitor Pattern: Implementation of Enquiry Pattern for Internet Banking" **International Journal of Engineering Research & Technology (IJERT)**, ISSN: 2278-0181, Vol. 1 Issue 3, May – 2012.

10. A. Meiappane, B. Chitra, Dr. V. Prasanna Venkatesan "Evaluation Of Software Architecture Quality Attribute For An Internet Banking System" **International Journal of Computer Applications (IJCA)**, ISSN: 0975-8887, Volume 62 – No.19 (21-24), January 2013. Published by Foundation of Computer Science, New York, USA. Doi. 10.5120/10189-5062. **(Impact Factor 0.814)**
11. A. Meiappane, B. Chitra, Dr. V. Prasanna Venkatesan "Identification And Implementation Of Request Pattern In Internet Banking Application" **International Journal of Advanced and Innovative Research (IJAIR)**, ISSN: 2278-7844, Volume 2 Issue 2 (41-45), February 2013.
12. A. Meiappane, Dr. V. Prasanna Venkatesan, S. Nivedha, N. Roshini, R. Maheswari "Evaluation of Software Architecture by Weight Metric for an Internet Banking System" **International Journal of Scientific & Engineering Research(IJSER)**, ISSN: 2229-5518, Volume 4, Issue 4, April - 2013. **(Impact Factor 1.4)**
13. A. Meiappane, Dr. V. Prasanna Venkatesan "Request and Notification Pattern for an Internet Banking System" **International Journal of Computer Science and Information Technology Research (IJCSITR)**, ISSN 2348-120X (online); 2348-1196 (print) Vol. 1, Issue 1, pp: (1-8), October-December 2013.
14. A. Meiappane, A. Devendiran, Dr. V. Prasanna Venkatesan, "Survey on Design Patterns for Internet Banking" **International Journal of Advances in Engineering and Emerging Technology (IJAEET)**, ISSN: 2321-452X, Vol.3, No. 1, pp 2-5, January 2014. **(Impact Factor: 0.078)**
15. Meiappane.A ,Erwin Alexander.E , Prasath.K .A. "Updating and Efficient Data View for Spatial Region by Geolocation Mapping", **International Journal of Engineering Trends and Technology (IJETT)**, V10(5),248-254 April 2014. ISSN:2231-5381. www.ijettjournal.org. published by seventh sense research group
16. A. Meiappane, Dr. V. Prasanna Venkatesan "Substitute and Communication Pattern for an Internet Banking System" **International Journal of Information Technology and Computer Science (IJITCS)**, ISSN: 2074-9007 (Print), ISSN: 2074-9015(Online), IJITCS Vol. 6, No. 5, pp. 58-64, April/May 2014. DOI: 10.5815/ijitcs.2014.05.08. **(Impact Factor 0.07)**
17. V. Premanand, A. Meiappane and V. Arulalan "Survey on Captcha and its Techniques for BOT Protection" **International Journal of Computer Applications (IJCA)** ISSN: 0975-8887, Volume 109 – No.5:(1-4), January 2015. Published by Foundation of Computer Science, New York, USA. Doi. 10.5120/19181-0661. **(Impact Factor 0.814)**

18. Punitha Devi.C, Dr.V.Prasanna Venkataesan, Diwakar S, Meiappane A “Verification of SOII Architecture Using Colored Petri Nets”, **AENSI Journals of “Advances in Natural and Applied Sciences”** with ISSN-19950772 indexed by SCOPUS, scimagojr. ANAS 9(6): Special (Intelligent Computing), February 2015.
19. S. Vasantharaj, A. Martin, A. Meiappane, J. Madhusudanan “A Survey on Sentiment Analysis Applied in opinion Mining”, **Journal of Network Communications and Emerging Technologies (JNCET)**, ISSN: 2395-5317 (Online), JNCET Vol. 1, Issue 1, March 2015, pp 15-21. Published by EverScience Publications.
20. Dr. A. Meiappane, Dr. V. Prasanna Venkatesan, V. Premanand “Security Enhancement in Shoulder Surfing Attacks using Passpoints for Random Similar Images (PRSI<sub>m</sub>)” **International Journal of Computer Networks and Applications (IJCNA)**, ISSN: 2395-0455 (Online), IJCNA Vol. 2, No. 2, March-April 2015, pp 84-91. Published by EverScience Publications.
21. A. Meiappane, V. Nivetha “Establish The Communication Of Vehicle Based On Routing Protocol In Vanet” *International Journal of Engineering Applied Sciences and Technology*, 2016 Vol. 1, Issue 4, ISSN No. 2455-2143, Pages 69-74 Published Online January-February 2016 in IJEAST, Impact Factor : 1.494
22. Dr. A.Meiappane, P.Ganesh Guru Teja, Meganathan.I, Nilavazhagan.K “Reducing The Search Space For Interesting Patterns From Uncertain Data” *International Research Journal of Engineering and Technology (IRJET)* e-ISSN: 2395 -0056 Volume: 03 Issue: 03 | Mar-2016 www.irjet.net p-ISSN: 2395-007, pp: 219-225
23. A. Meiappane, S. Monesh, S. Pradeep Kumar, U. Murugan “One Click Image Search Re-Ranking Based On User Preference” *International Research Journal of Engineering and Technology (IRJET)* e-ISSN: 2395 -0056, Volume: 03 Issue: 03, Mar-2016 www.irjet.net p-ISSN: 2395-0072, pp. 226-231.
24. Dr. A.Meiappane, P.Ganesh Guru Teja, Meganathan.I, Nilavazhagan.K “Apriori based Frequent Itemset Mining” *International Journal of Advanced and Innovative Research(IJAIR)* ISSN (2278-7844) / pp 372-375 / Volume 5 Issue 3, March 2016, Impact factor 0.349.
25. Dr. A. Meiappane, Dr. V. Prasanna Venkatesan, Ms. J. Prabavathi “Survey on Evaluating the Internet Banking Architectures for Software Quality” *Journal of Research in Mathematics and Computer Science*, Vol. 01, Issue 01, July 2016.
26. Dr. A. Meiappane, A. Punitha, Dr. V. Geetha “Preserving Data from Leakage by Using Data Detection and Prevention Methods” *International Journal of*

Innovative Science, Engineering & Technology (IJSET), Vol. 4 Issue 2, pp. 330-332, February 2017, ISSN No.:2348-7968.

27. Dr. A. Meiappane, G. Bhavani, M. Monica, A. Aruna "A Dynamic and Reconfigurable Collaborative Filtering Approach For Qos-Aware Web Service Orchestration" International Innovative Research Journal of Engineering and Technology(IIRJET), Vol. 2, pp IT99 – IT102, Special Issue ICEIET '17, March 2017, ISSN No.: 2456-1983.
28. Dr. A. Meiappane, "Location Aware and Personalized Filtering for Web Service Recommendation" International Journal of Emerging Technology in Computer Science & Electronics, Vol. 24, Issue 07, April 2017, ISSN No.: 0976-1353.
29. Dr. A. Meiappane, A. Danalatchumy, U. Kavibharathy, A. Sivapridha, "Enhancement of QOS-Aware Web Service Orchestration by Using CF Approach ", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 3, Issue 3, pp.342-347, March-April.2018 (UGC Approved Journal No.: 64718)

#### **INTERNATIONAL CONFERENCES:**

1. Dr. A. Meiappane V. Nivetha "Survey: VANET Based Prioritize Protocol Security" presented in TEQIP-II sponsored International Conference On Distributed Intelligent Computing, conducted by Dept. of CSE and IT in Pondicherry Engineering College on 9<sup>th</sup> MARCH 2016.
2. Dr. A. Meiappane, U. Revathy, R. Arulmozhi, P. Nisha "Efficiency And Privacy Aware Data Aggregation In Mobile Sensing Using Key Management" International Conference on Emerging Trends in Engineering & Technology 2015 (ICET - 15) IFERP, Chennai on 5<sup>th</sup> April, 2015. DOI - ICETIT016110300012
3. R. Prasath, T. Naresh, A. Infantraj, Dr. A. Meiappane, "Trustee Based Social Authentication using the verification code" the proceedings of 4<sup>th</sup> International conference on Futuristic Trends in Computer Science Engineering & Information Technology" (ICFTCS - 2015), Thiruvalluvar College of Engineering & technology, Vandavasi – 604 505. Pp 113-116, 7<sup>th</sup> & 8<sup>th</sup> March 2015. ISBN – 978-93-80757-71-1.
4. A. Meiappane, Dr. V. Prasanna Venkatesan, "Profile-Based Component Pattern" **Hillsidenet – ACM** - International Conference on Pattern Languages of Programs (GuruPlop 2014), IIT-Chennai, India. February 21-23, 2014.

5. A. Meiappane, Dr. V. Prasanna Venkatesan, "Payment Pattern" **Hillsidenet – ACM** - International Conference on Pattern Languages of Programs (GuruPlop 2013), Bangalore, India. March 3-4, 2013.
6. A. Meiappane, B. Chithra, Dr. V. Prasanna Venkatesan, " Identification and Implementation of Observer and State Pattern in Internet Banking Application " **IEEE** - International Conference on Radar, Communication & Computing (ICRCC 2012), SKP Engineering College, Thiruvannamalai, India – 606 611. Pp- 305-307. December 21-22, 2012. IEEE Catalog No : CFP1265T - ART, ISBN No : 978-1-4673-2758-9.
7. A. Meiappane, Dr. V. Prasanna Venkatesan, S. Nivedha, N. Roshini, R. Maheswari, " A Refined Evaluation Method by Analysing the Existing Software Architecture Methods" **IEEE** - International Conference on Radar, Communication & Computing (ICRCC 2012), SKP Engineering College, Thiruvannamalai, India – 606 611. Pp: 226-228. December 21-22, 2012. IEEE Catalog No : CFP1265T - ART, ISBN No : 978-1-4673-2758-9.
8. A. Meiappane, Dr. V. Prasanna Venkatesan, A.Vikneshraj, N. Adithya Prasanna, V. Vittal Devanathan, "An Approach for Identification and Implementation of Design Patterns in Online Banking" **IEEE** - International Conference on Radar, Communication & Computing (ICRCC 2012), SKP Engineering College, Thiruvannamalai, India – 606 611. Pp: 288-289. December 21-22, 2012. IEEE Catalog No : CFP1265T - ART, ISBN No : 978-1-4673-2758-9.
9. A. Meiappane, B. Chithra, Dr. V. Prasanna Venkatesan, " A Survey On SAAM – An Architecture Evaluation method" First International Conference on Systems, Methodologies, Automation And Research Trends (SMART 2012), Sri Manakula Vinayagar Engineering College, Puducherry – 605 107 India, December 12 to 14, 2012.
10. A. Meiappane, J. Prabavadhi, Dr. V. Prasanna Venkatesan, "An Empirical Study of various Loans in Indian Based banks" First International Conference on Systems, Methodologies, Automation And Research Trends (SMART 2012), Sri Manakula Vinayagar Engineering College, Puducherry – 605 107 India, December 12 to 14, 2012.
11. A. Meiappane, B. Chithra, Dr. V. Prasanna Venkatesan, "A Survey On Design Patterns And Its Evaluation Methods" International Conference on E-Governance and Cloud
12. Computing Services (EGov'12), Dr.MGR Educational and Research Institute University, Chennai – 600 095, India, Organised by Department of Computer



- Applications in association with NIEPMD - Govt of India and IJCA (International Journal of Computer Applications), October 17 & 18 2012.
13. A. Meiappane, Dr. V. Prasanna Venkatesan, P. Prasanna, A. Sangeetha "Improving the Performance of AODV in Hybrid WMN by Architecture Pattern" **IEEE** - International Conference on Recent Trends in Information Technology (ICRTIT 2011), Madras Institute of Technology, Anna University, Chennai 600044, India, pp 433-437, June 3-5, 2011. IEEE Catalog No : CFP1122P-CDR, ISBN No : 978-1-4577-0589-2
  14. A. Meiappane, Dr. V. Prasanna Venkatesan, K. Gideon "The Adaptive Framework of Internet Banking Services Based on Customer Classification" - International Conference on Advances in Engineering & Technology (ICAET 2011) held in E.G.S.Pillay Engineering College, Nagapattinam, India, May 27 & 28, 2011.
  15. A. Meiappane, Dr. V. Prasanna Venkatesan, S.L. Kishore "A Model for Quality Estimation of various Architectural Patterns in POSA" – International Conference on Advances in Engineering and Technology (ICAET 2012) held in E.G.S.Pillay Engineering College, Nagapattinam in association with Aichi Institute of Technology, Toyota, Japan, March 28 & 29, 2012. ISBN 978-1-4675-2245-8.
  16. A. Meiappane, Dr. V. Prasanna Venkatesan, R. Venkatesh "A Software Architecture Pattern For Software Product Lines" - International Conference on Information, Communication & Embedded Systems (ICICES 2012) held in S.A. Engineering College, Chennai, Feb. 24 & 25, 2012, published by Excel India Publishers, New Delhi. ISBN : 978-93-81361-97-9.
  17. Meiappane, S. Selva Murugan, A. Arun, and A. Ramachandran "*Latency of Web Service in Health Care System Using GSM Networks*" in The 2<sup>nd</sup> International Conference on machine Learning and Computing (ICMLC 2010), Bangalore , India , February 9-11, 2010. pp 22-26. ISBN: 978-0-7695-3977-5.
  18. Meiappane, J. Sobana, G. Deivanai, K. Janaky "*Routing and Performance-aware Scheduling for Multi-Hop WMN*", *International Conference On Computing, Communication And Information Technology Applications (CCITA 2010)* VLB Janakiammal College of Engineering and Technology, Coimbatore - 42, India, January 21-23, 2010, pp 516-521. ISBN: 978-81-909789-0-3.
  19. Meiappane, J. Subashree, I. Vaishnavi Devi, P. Dhanavanthini "*IP Fast Reroute using LFA and Not-via addresses*", *International Conference On Computing, Communication And Information Technology Applications (CCITA 2010)* VLB Janakiammal College of Engineering and Technology, Coimbatore - 42, India, January 21-23, 2010, pp 228-234. ISBN 978-81-909789-0-3.

20. Meiappane, N. Geetha, P. Kanimozhi "*Link Based Cluster Analysis for Web Search Results*" in International Conference on Global Business Strategy in Competitive Environment, Sri Sai Ram Engineering College. Chennai – 600 044, September 21-22, 2007.
21. Meiappane "*A Method of Tracing Intruders by Use of Mobile Agents*" in International Conference on Network Security & Workshop (ICONS 2007), Erode Sengunthar Engineering College , Erode, 29-31 January 2007, published by Macmillan Publishers India, ISBN: 978-0230-63055-0.

#### **NATIONAL CONFERENCES:**

1. A. Meiappane, S. Monesh, S. Pradeep Kumar, U. Murugan, "One Click Image Search Re-Ranking Based on User Preference" in National Conference on Emerging Trends in Information & Communication Technology organized by Dept. of IT in SKP Engineering College, Tiruvannamalai on 2<sup>nd</sup> April 2016.
2. A. Meiappane, P. Amutharasi, K. Mangayarkarasi, D. Karthiga "Alleviation of Application layer DDOS Attacks Using Pattern record Unit" in National level Conference on "Recent Trends in Communication, Control, Signal and Image Processing applications in Mahendra College of Engineering, Salem on 23<sup>rd</sup> March 2016
3. Punitha Devi.C, Dr.V.Prasanna Venkataesan, Diwakar S, Meiappane A "Verification of SOII Architecture Using Colored Petri Nets", in National Conference on Intelligent Computing (NCIC 15) organized by Dept. of CSE and IT, Pondicherry Engineering College, Puducherry – 605 014, 30<sup>th</sup> January, 2015.
4. P. Siddharthan, C.Venkatesh, P.T.S.Balakrishna and Meiappane "Outlier Detection using Greedy Algorithms for High Dimensional Data" in National Conference on Advances in Computing Technologies (NCACT-14) organized by PG Department of Computer Science & Engineering, Hindusthan Institute of Technology, Coimbatore, 11-12 March 2014.
5. K.Prasath, Erwin Alexander and Meiappane "IP-Geolocation Mapping for updation and dataview connecting Spatial regions" in National Conference on Challenges and Issues in Computing & Technology (NCCICT 2014) organized by School of Information and Computing Technology, Vel Tech Dr. RR & Dr. SR Technical University, Chennai 600 062. Pp. 421-424, 14-15 March 2014.
6. A. Meiappane, Dr. V. Prasanna Venkatesan "Test Cases and Hypothesis of a software Architecture Design Approach" in National Conference on Emerging Trends in Information Technology, executed by the Department of Computer

- Science & Applications, St. Joseph college of Arts & Science (Autonomous), Cuddalore – 607 001, March 20, 2010.
7. A. Meiappane, Dr. V. Prasanna Venkatesan, P. Hema Priya, K. Annapoorani, “Architecture Design And Analyzing The Possibility Of Wormhole Attack”, in National Conference on Artificial Intelligence and Software Engineering (AISE-2010), held in New Horizon College of Engineering, Bangalore on October 29, 2010.
  8. A. Meiappane, Dr. V. Prasanna Venkatesan, S. Dhananjayan “A Security Pattern for Communication and Trust Relationship for Application Integration Technology” National Conference on Research Issues in Computer Science and Engineering (NCRICSE-2011), Organized by Dept. of CSE, RMK Engineering College, Kavaraipettai, Tiruvallur District, Tamil Nadu, India. March 4, 2011.
  9. A. Meiappane, J. Prabavadhi, Dr. V. Prasanna Venkatesan “Startegy Pattern of Pattern Oriented Software Architecture For Internet Banking” National Conference on Information Technology (NCIT – 2012), organized by Dept. of IT, Pondicherry Engineering College, Puducherry – 605 014, India, February 15, 2012.
  10. A. Meiappane, Dr. V. Prasanna Venkatesan, V. Jegatheeswari, B. Kalpana, U. Sarumathy “Adaptive Framework for Internet Banking using Architectural Patterns” National Conference on Information Technology (NCIT – 2012), organized by Dept. of IT, Pondicherry Engineering College, Puducherry – 605 014, India, February 15, 2012.
  11. A. Meiappane, Dr. V. Prasanna Venkatesan, S. Priya “Security Reverse Proxy Pattern And Front Door Pattern for Security and Access Control in Web Applications” **AICTE sponsored** National conference on Internet and Web Service Computing (NCIWSC 2012), organized by Dept. of CSE, Pondicherry Engineering College, Puducherry – 605 014, India, August 2 & 3, 2012.
  12. A. Meiappane, S. Selva Murugan, A. Arun, and A. Ramachandran “*Integrated Server In Enterprise Digital Hospital System using GSM Networks*” in IV National Conference on Advanced Computing, organized by Dept. of IT, CSI College of Engineering, Ketti, Tamilnadu, March 06, 2010.
  13. A. Meiappane, S. Selva Murugan, A. Arun, and A. Ramachandran “*Architectural Design of Health Care System in SOA Using GSM Networks*” in National Conference on Advanced Computing and IT Applications, Organized by Dept. of Computer Science, KGISL Institute of Information Management, Coimbatore – 641 035, March 05, 2010.

14. A.Meiappane, J. Sobana, G. Deivanai “*Comparison of Scheduling Algorithms for Grid Computing*” in AICTE sponsored National Conference (ICUBE '09) at Rajiv Gandhi College of Engineering & Technology, Puducherry, 29-30 July 2009.
15. A.Meiappane, S. Maheswaran “Mobile Agent Architecture for Networking in Hospital Organizations and Health care Enterprises” – 4<sup>th</sup> National Conference. (NCIICT 2008), PSG College of Technology, Coimbatore , 12-13 December 2008.
16. A.Meiappane “A Framework for Service Management M-Commerce Applications” Institute Of Information In Management Studies,Tiruchengode, 03 March 2007.
17. A.Meiappane, A. Martin “Building Web Applications with UML” Thiagarajar College of Engineering, Madurai , 25-26 March 2004.
18. A. Meiappane, Bhavani, Vikneswari, Priyanka “ Secure Database for Numeric related range Queries with Preservation Using Two Cloud”, National Conference on Emerging Trends in Electrical, Electronics and Computer Engineering (NCEEECE' 18), JCT College of Engineering and Technology, 4<sup>th</sup> April, 2018.

**FDP/STTP/Workshops attended:**

| S.No | Topic                                                                                                                                                                                    | Date                           | Organized by         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------|
| 1.   | AICTE-QIP Sponsored One Week Short Term Course on "Opportunities and Challenges in Internet of Things"                                                                                   | 27.11.2017<br>to<br>01.12.2017 | PEC, Puducherry      |
| 2.   | Short term training program on Emerging Trends and Challenges in data science and big data analytics- theory,methods,technology and tools” under the sponsorships of TEQIP phase II,NPIU | 23.06.2016<br>to<br>29.06.2016 | PEC, Puducherry      |
| 3.   | FDP on “Cloud computing”, ICTACT, Puducherry                                                                                                                                             | 08.05.2016<br>to<br>17.06.2016 | MIT, Puducherry      |
| 4.   | Short term training program under TEQIP Phase II “Emerging trends in pervasive & mobile computing”                                                                                       | 28.04.16<br>to<br>04.05.2016   | PEC, Puducherry      |
| 5.   | FDP on “Assurance Faculty connect programme”                                                                                                                                             | 01.03.2016                     | TCS,Siruseri,chennai |
| 6.   | Short term course under Quality improvement programme on “S/W testing & Quality Assurance                                                                                                | 23.11.2015<br>to<br>27.11.2015 | PEC, Puducherry      |

|     |                                                                                                 |                                |                              |
|-----|-------------------------------------------------------------------------------------------------|--------------------------------|------------------------------|
| 7.  | FDP on “Web Designing and scripting(Using Java Script and DTHML”                                | 24.11.2015<br>to<br>28.11.2015 | MIT, Puducherry              |
| 8.  | FDP on “Life Skills”, ICTACT                                                                    | 2.11.2015<br>to<br>6.11.2015   | ICT Academy of<br>Puducherry |
| 9.  | CSI sponsored One day seminar on<br>“Research issues in image processing &<br>Data mining”      | 3.12.2014                      | MIT, Puducherry              |
| 10. | ISTE Sponsored Workshop on “Research<br>and Development in Engineering<br>Institutions”         | 13.09.2014                     | MIT, Puducherry              |
| 11. | 8 days training programme on “Cloud<br>Computing & Advanced JAVA”                               | 22.07.2013<br>&<br>30.07.2013  | ICT Academy of<br>Puducherry |
| 12. | TEQIP-II Sponsored STTP on Research<br>Issues & Challenges in Software<br>Engineering           | 06.05.2013<br>&<br>10.05.2013  | PEC, Puducherry              |
| 13. | AICTE Sponsored Two weeks FDP on<br>“Recent Advances in Artificial Networks”                    | 22.04.2013<br>&<br>03.05.2013  | MIT, Puducherry              |
| 14. | AICTE Sponsored National Seminar on<br>“Current Scenario : Open Source<br>Technologies”         | 17.04.2013<br>&<br>18.04.2013  | MIT, Puducherry              |
| 15. | National Workshop on “National<br>Programme on technology Enhanced<br>Learning (NPTEL)”         | 21.12.2012                     | MIT, Puducherry              |
| 16. | National Workshop on “Cyber Security &<br>Malware Analysis”                                     | 02.08.2013<br>&<br>03.08.2013  | MIT, Puducherry              |
| 17. | AICTE Sponsored National Seminar on<br>“Cyber Law and Cyber security”                           | 25.12.2013<br>&<br>26.12.2013  | MIT, Puducherry              |
| 18. | AICTE Sponsored National Seminar on<br>“Impact of Biometric Security using Image<br>Processing” | 12.11.2013<br>&<br>13.11.2013  | MIT, Puducherry              |
| 19. | Advances In Optical Networking                                                                  | 26.07.07<br>&<br>28.07.07      | SMVEC, Puducherry            |

|     |                                                                                                                                                                                                                                       |                               |                                                      |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------|
| 20. | Recent Trends in Renewable Energy Technology Transfer                                                                                                                                                                                 | 27.01.06<br>To<br>29.01.06    | SMVEC, Puducherry                                    |
| 21. | Recent Advancements, Growth and Achievements in Modern Engineering – Towards 2020                                                                                                                                                     | 26.11.2004<br>&<br>27.11.2004 | SMVEC, Puducherry                                    |
| 22. | Recent Trends and Developments in Communications Engineering                                                                                                                                                                          | 10.07.04                      | SMVEC, Puducherry                                    |
| 23. | Recent Technological Advance In Engineering                                                                                                                                                                                           | 04.09.2004                    | MEC, Mailam                                          |
| 24  | Advances in Networks and Communication                                                                                                                                                                                                | 18.10.06<br>To<br>20.10.06    | SMVEC, Puducherry                                    |
| 25. | Satellite Remote Sensing                                                                                                                                                                                                              | 19.08.05                      | SMVEC, Puducherry                                    |
| 26. | Migrating Process In Distributed Environment                                                                                                                                                                                          | 05.03.05<br>&<br>06.03.05     | St. Joseph's College of Arts And Science, Cuddalore. |
| 27. | Challenges to develop Eco-friendly Environment in 21 <sup>st</sup> Century.                                                                                                                                                           | 21.06.04                      | SMVEC, Puducherry                                    |
| 28. | Virtual Class Room for Geographical Dispersed Students to share a Traditional Environment Using Intranet                                                                                                                              | 19.10.05<br>&<br>20.10.05     | Bannari Amman Institute of Technology, Erode.        |
| 29. | Three days AICTE sponsored national seminar on "Grid Computing and Resource Management" held in SMVEC, Puducherry, 13-15 Sep' 2007.                                                                                                   | 13.09.07<br>To<br>15.09.07    | SMVEC, Puducherry                                    |
| 30. | One day National Seminar on "Smart Materials and Nano Technology" conducted by American Society of Metals for Mailam and Manakula Vinayagar Engg. College(ASMMMEC) held in Mailam Engg. College, Mailam, 1 <sup>st</sup> October 2005 | 01.10.2005                    | MEC, Mailam                                          |
| 31. | One day National Seminar on "Recent Trends in Instrumentation" organized by Instrumentation and Control Engineering, 5 <sup>th</sup> October 2005.                                                                                    | 05.10.2005                    | SMVEC, Puducherry                                    |

**Reviewer for the journals:**

1. Reviewed the book Software Project Management by Bob Hughes, Mike Cotterell, Rajib Mall, TataMcGraw Hill.

2. Reviewed the book Software Quality Assurance by Milind Limaye, TataMcGraw Hill.
3. Research paper reviewer, International Symposium on Networks, Computers and Communications 2014 (ISNCC 2014), Hammamet, Tunisia.
4. Research paper reviewer, International Conference on Advanced Information Technologies and Applications 2014 (ICAITA 2014), Dubai, UAE.
5. Research paper reviewer, International Conference on Reliable and Convergent Systems 2014 (ACM RACS 2014), Towson, MD, USA.
6. Research paper reviewer, for various journals like LNSE, JSRS, IJSCAI, Elsevier – JSS, IJSA
7. Program committee member of International Conference on Reliable and Convergent Systems 2014 (ACM RACS 2014), Towson, MD, USA.
8. Program committee member of International Conference on Artificial Intelligence & Applications 2014 (ARIA 2014), Switzerland, Zurich.
9. Program committee member of International Conference on Software Engineering and New Technologies 2014 (ICSENT 2014), Hammamet, Tunisia.
10. Program committee member of International Conference on Software Engineering and New Technologies 2013 (ICSENT 2013), Hammamet, Tunisia.
11. Program committee member of International Conference on Information Systems and Technologies 2013 (ICIST 2013), Tangier, Morocco.
12. Program committee member of International Conference on Reliable and Convergent Systems 2013 (ACM RACS 2013), Montreal, Canada.
13. Editorial Board member of the Journal - Lecture Notes on Information Technology (LNIT).
14. Editorial Board member of the Journal - International Journal of Computer Science and Information Technology (IJCSIT).
15. Editorial member of the Journal - International Journal of Computer Theory and Engineering (IJCTE).

16. Editorial member of the Journal - International Journal of Computer Networks and Applications (IJCNA).
17. Editorial member of the Journal - Journal of Network communications and Emerging Technologies (JNCET).

**Research guidance:**

Recognized Supervisor for guiding Ph.D Scholars from Pondicherry University  
(20.02.2018)

**Project Guidance :**

1. Alleviating the Application Layer DDOS Attacks Using Pattern Record Unit
2. Reducing The Search Space For Big Data Mining for Interesting Patterns from Uncertain Data
3. Image Search Re-ranking by Capturing User Intention for One-Click
4. Prioritized Multicast Routing Protocol For Vanet
5. Location Aware and Personalized Filtering for Web Service Recommendation
6. A Dynamic and Reconfigurable Collaborative Filtering Approach For Qos-Aware Web Service Orchestration
7. Trustee Based Social Authentication Using the Verification Code
8. Efficiency and Privacy Aware Data Aggregation in Mobile Sensing using Protocol
9. CAPTCHA as Graphical Passwords - A New Security Based on Hard AI Problems
10. Evaluating the Internet Banking Architectures for Software Quality
11. One Click Image Search Re-Ranking Based On User Preference
12. Reducing The Search Space For Interesting Patterns From Uncertain Data
13. Establish The Communication Of Vehicle Based On Routing Protocol In Vanet
14. Security Enhancement in Shoulder Surfing Attacks using Passpoints for Random Similar Images (PRSI<sub>m</sub>)
15. A Survey on Sentiment Analysis Applied in opinion Mining
16. Verification of SOII Architecture Using Colored Petri Nets
17. Updating and Efficient Data View for Spatial Region by Geolocation Mapping
18. Request and Notification Pattern for an Internet Banking System
19. Evaluation of Software Architecture by Weight Metric for an Internet Banking System
20. Identification And Implementation Of Request Pattern In Internet Banking Application
21. Evaluation Of Software Architecture Quality Attribute For An Internet Banking System



22. The Pattern as a Reusable Component to Adaptive Framework for Load Balancing Mobile Agent in Internet Banking
23. Pattern Based Adaptive Architecture For Internet Banking
24. The Adaptive Framework of Internet Banking Services Based on Customer Classification
25. Architectural Pattern of Health Care System Using GSM Networks
26. IP Fast Reroute using LFA and Not-via addresses
27. Routing and Performance-aware Scheduling for Multi-Hop WMN
28. Mobile Agent Architecture for Networking in Hospital Organizations and Healthcare Enterprises

**Guest Lectures delivered:**

- Delivered a Lecture in FDP on “Distributed Systems” sponsored by Centre for Faculty Development Programme, Anna University, Chennai in University College of Engineering, Pattukottai on 03.12.2015 and 04.12.2015 (Two Days).
- Delivered a Lecture in One Day Workshop on “Cloud Computing” in University College of Engineering, Pattukottai on 04.10.2017.

**Professional Membership:**

- Member, IACSIT, Singapore. (Member No. : 80331788)
- Member, IAENG, Hong Kong. (Member No. : 106398)
- Member, ACM-CSTA(Computer Science Teachers Association). (Member No. : 8007926)

**Books authored:**

- “Object oriented Programming” for MCA Degree Course, published by DDE – Pondicherry University, Puducherry.
- Dr. A. Meiappane, Dr. V. Prasanna Venkataesan authored a book on the title “Mining Design Patterns for Internet Banking Architecture” published by LAP Lambert Academic Publishing, Germany ISBN 978-3-659-42742-8.
- Dr. A. Meiappane, V. Premanand authored a book on the title “CAPTCHA as Graphical Passwords – A New Security Primitive – Based on Hard AI Problems” published by Scholar’s Press ISBN 978-3-639-76923-4.

**Dr. A. MEIAPPANE**