

CURRICULUM VITAE

Name: Dr. A. AYYASAMY

Date of Birth: 16-04-1984

Father's Name: A. Ayyanar

Place of Birth: Malaipatti, Sankarankovil.

Nationality: Indian

Gender: Male

Marital Status: Married

Current Job: Assistant Professor

Experience: 8 Years

Office Address: Department of Computer Science and Engineering,
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EDUCATION

Qualification	Year of Passing	Name of The Institution	Specialization
Ph. D	2015	Annamalai University, Tamilnadu, INDIA.	Mobile Ad-hoc Network (MANET)
M. E	2008	Annamalai University, Tamilnadu, INDIA.	Computer Science & Engineering
B. E	2006	Annamalai University, Tamilnadu, INDIA.	Computer Science & Engineering

SKILL

Language skills

1. Tamil – Mother Tongue.
2. English -Very good Reading, Writing, and Speaking.

WORKING EXPERIENCE

Job	Name of The Department	Name of The Institution	Year
Assistant Professor	Computer Science & Engineering	Annamalai University, Tamilnadu, INDIA.	2011 - Present
Lecturer	Computer Science & Engineering	Annamalai University, Tamilnadu, INDIA.	2007-2010

Graduate Students- Project Guided

Graduated – Master's degree (M. E/M. C. A.)

1. Ms. R. Brindha, M. E., Project Guide, May 2012, *Load based channel aware routing in mobile ad-hoc networks.*

2. Mr. S. Sridhar, M. E., Project Guide, May 2013, *Load balancing and enforcing QoS in MANET using hybrid algorithm.*
3. Ms. P. Kavidha, M. E., Project Guide, May 2013, *Systematic assessment of path extent time in mobile ad-hoc networks.*
4. Mr. S. Anand (Reg. No. 07301007), M. C. A., Project Guide, May 2010, *A distributed approach to solve data packet mismatching problem.*
5. Mr. Ayyappa Neelam (Reg. No. 08301118), M. C. A., Project Guide, May 2011, *Critical data management.*
6. Mr. Abhishek Tiwari (Reg. No. 11301003), M. C. A., Project Guide, May 2014, *Secure and dependable storage services in cloud computing.*
7. Ms. V. Santhanalakshmi (Reg. No. 11301098), M. C. A., Project Guide, May 2014, *Design and implementation of message integrity protocol.*
8. Mr. Senthamil (Reg. No. 12301115), M. C. A., Project Guide, May 2015, *Multi channel solution for CRM web services.*
9. Mr. Shubham santuwala (Reg. No. 12301119), M. C. A., Project Guide, May 2015, *Packet loss control using tokens at the network edge.*

Current – Master’s degree (M. Sc (SE)/M. Sc (IT)) - Integrated

1. Mr. S. Shanmugam, M. Sc (SE), Project Guide, 2014.

Graduated – Master’s degree (M. Sc (SE)/M. Sc (IT)) - Integrated

1. Ms. B. Srividhya (Reg. No. I0932034), M. Sc(SE)., Project Guide, May 2014, *A network based vulnerability scanner for detecting SQLI attacks in web applications.*
2. Mr. A. Dinesh (Reg. No. I0832013), M. Sc(SE)., Project Guide, May 2013, *Finding shortest path in network using bandwidth routing protocol for quality of service.*
3. Mr. S. Anbarasu (Reg. No. I0833007), M. Sc(IT)., Project Guide, May 2013, *Misbehavior nodes detection and isolation for manets oslr protocol.*

4. Ms. N. Anitha (Reg. No. I0833009), M. Sc(IT)., Project Guide, May 2013, *An adaptive opportunistic routing scheme for wireless ad-hoc networks.*
5. Mr. R. Vivek (Reg. No. I0833157), M. Sc(IT)., Project Guide, May 2013, *Selfish overlay network creation and maintenance.*
6. Mr. R. Balakrishnan (Reg. No. I0833194), M. Sc(IT)., Project Guide, May 2013, *Traffic allocation for multiple-path routing using portfolio selection.*
7. Mr. C. Nithyanantham (Reg. No. I0833203), M. Sc(IT)., Project Guide, May 2013, *Online job portal.*
8. Mr. B. Dinesh (Reg. No. I0833211), M. Sc(IT)., Project Guide, May 2013, *A new multi-path routing methodology based on logit type assignment.*

Undergraduate Students (B. E(CSE)/B. E(I.T))- Project Guided

Sr. No.	Name of The Student	Course	Year	Project Title
1.	Mr. B. Sakthivel Mr. R. Balamurugan Mr. A. Parsanth Mr. V. Anburajan	B. E. (I.T)	May-2010	Multi Server Communication in Distributed Database Management System.
2.	Mr. R. Bharaanitharan Mr. K. Divakar Mr. R. S. Tamilselvan Mr. S. Yuvaraj	B. E.(CSE)	May-2010	Integrated Data ware Houses with Web Data.
3.	Mr. A. Abdulrahman Mr. P. Prakash Mr. C. Kalidasan Mr. T. Tamizhvanan	B. E. (I.T)	May-2011	Vertical hand of 4G wireless network
4.	Mr. M. Kishorekumar	B. E. (I.T)	May-2012	Prodict Web Application From SQL

	Mr. R. Parthiban Mr. K.Vinothraj Mr. C. Arokiyaraj			Using in Injection Attack.
5.	Mr. Vikrant Nandan Mr. Prabhat Ranjan Mr. Krishna Gopal Kirar Mr. Sadu Krishna	B. E.(CSE)	May-2013	Distributed Adaptation of Quantize Feedback for Downlink Network MIMO System.

TEACHING

Courses Taught

Undergraduate

Computer Network

Operating System

RDBMS

DBMS

Graduate

Mobile Computing

Computer Architecture

RDBMS

Computer Architecture

JOURNAL PUBLICATIONS

Appeared in Print or Proofs Completed

1. **A. Ayyasamy** and K. Venkatachalapathy, "Context aware adaptive fuzzy based QoS routing scheme for streaming services over MANETs", *Springer in Wireless Networks*, vol. 21, no. 2, pp. 421-430, 2015. DOI: 10.1007/s11276-014-0801-3, (Impact factor: 1.055). Science Citation Indexed Journal.
2. **A. Ayyasamy** and K. Venkatachalapathy, "Context aware adaptive service based dynamic channel allocation approach for providing an optimal QoS over MANET", *International journal of engineering and technology (IJET)*, vol. 6, no. 3, pp. 1465-1479, jun-jul 2014. ISSN: 0975-4024. Scopus Indexed Journal.

3. **A. Ayyasamy** and K. Venkatachalapathy, "Context aware adaptive fuzzy based Quality of service over MANETs", *International review on computers and software (IRECOS)*, vol. 9, no. 7, pp. 1220-1226, 2014. ISSN: 1828-6003. Scopus Indexed Journal.
4. **A. Ayyasamy** and K. Venkatachalapathy, "An improved load balancing adaptive QoS buffer scheduler (I-LABS) for steaming services over MANET", *International journal of computer science and engineering technology (IJCSET)*, vol. 5, no. 5, pp. 612-620, May 2014. ISSN: 2229-3345.
5. **A. Ayyasamy** and K. Venkatachalapathy, "Performance evaluation of load based channel aware routing in MANETs with reusable path", *International journal of engineering and advanced technology (IJEAT)*, vol. 3, no. 1, pp. 183-186, November 2013. ISSN: 2249-8958. (Impact Factor: 1.097).
6. **A. Ayyasamy** and K. Venkatachalapathy, "Performance comparison of two on-demand multi path routing protocols for ad hoc networks", *International journal of information technology and engineering (IJITE)*, vol. 3, no. 1-2, pp. 49-52, 2012. ISSN: 2229-7367.
7. **A. Ayyasamy** and K. Venkatachalapathy, "Increased throughput for load based channel aware routing in MANETs with reusable path", *International journal of computer applications (IJCA)*, vol. 40, no. 2, pp. 20-23, February 2012 ISSN: 0975-8887. (Impact Factor: 0.821).

CONFERENCE and WORKSHOP PROCEEDINGS/POSTER Presentations

International Conferences

1. **A. Ayyasamy**, K. Venkatachalapathy and P. Kavitha, "Systematic Assessment of Path Extend Time in Mobile Ad-hoc Networks", Second International Conference on Futuristic Trends in Electronics Engineering organized by Thiruvalluvar College of Engineering and Technology, Vandavasi, Tamil Nadu, India, pp. 236-239, 2nd and 3rd, March 2013.
2. **A. Ayyasamy** and K. Venkatachalapathy, "Performance Evaluation of Load Based Channel Aware Routing in MANETs with reusable path", 2nd International conference on Smart Technologies for Materials ,Communication, Controls, Computing and Energy(ICST 2013), organized by Vel Tech Dr. RR and Dr.SR Technical University &

Oklahoma State University, Chennai, Tamil Nadu, India, pp. 380-384, 3rd-5th, January 2013.

3. **A. Ayyasamy**, K. Venkatachalapathy and R. Brindha, “Increased Throughput for Load based Channel Aware Routing in MANETs with Reusable Paths”, First International Conference on Futuristic Trends in Computer Science Engineering & Information Technology(ICCT2012), organized by Thiruvalluvar College of Engineering and Technology, Vandavasi, Tamil Nadu, India, pp. 10-13, 28th and 29th, January 2012.
4. **A. Ayyasamy**, K. Venkatachalapathy and Sridhar, “Load Balancing in Mobile ad-hoc Network using Cell Breathing Techniques”, Fourth International Conference on Advances in Computer, Communication and Management organized by Sun college of Engineering and Technology, Erachakulam, Tamil Nadu, India, 18th -20th, February 2013.

National Conferences

1. **A. Ayyasamy**, K. Venkatachalapathy and R. Brindha,” Optimized QoS for Adaptive Multimedia Services in Wireless Mobile Networks”, UGC Sponsored National Conference on Multimedia Signal Processing(NCMSP11) organized by Annamalai University, Annamalai Nagar, Tamil Nadu, India, pp. 31-33, 16th and 17th Feb 2011.
2. **A. Ayyasamy** and R. Brindha, “Routing In MANETs with Reusable Paths”, National Conference on Information systems, Technology and its application (CISTA’11) organized by A.V.C College of Engg., mayladuthurai, Tamil Nadu, India, pp 29-32, 30th Sep 2011.
3. **A. Ayyasamy**, K. Venkatachalapathy and R. Brindha, “Multipath Routing Protocols for Ad Hoc Networks”, First National Conference on Innovations in Engineering and Technology (IET 2012) organized by Gnanamani college of technology, Namakkal, Tamil Nadu, India, pp – 43, 3rd Feb 2012.
4. **A. Ayyasamy** and K. Venkatachalapathy, “The Channel Based Routing in MANETs with Reusable Paths”, National Conference On Applications Of Mathematics And Computer Science (NCAMCS-2012), S.D.N.B. vaishnav college for women(auto), chromepet, Chennai, Tamil Nadu, India, pp 100-103, 10th Feb 2012.

5. **A. Ayyasamy**, K. Venkatachalapathy and P. Kavitha, “End-to-End Flow Allocation and Channel Assignment in MC-MR Wireless Mesh Networks”, National Conference on Innovative Research on Communication, Signal and Image Processing (IRCSI'13), Annai college of engineering & technology, Kumbakonam, Tamil Nadu, India, pp. 28, 5th, April 2013.
6. **A. Ayyasamy**, K. Venkatachalapathy and Sridhar “Load Balancing and enforcing QoS in MANET using Hybrid Algorithm”, National Conference on Innovative Research on Communication, Signal and Image Processing (IRCSI'13), Annai college of engineering & technology, Kumbakonam, Tamil Nadu, India, pp. 27, 5th, April 2013.
7. **A. Ayyasamy**, K. Venkatachalapathy and R. Brindha, “The Channel Based Routing in MANETs with Reusable Paths”, National Conference on Information Technology (NCIT-2012), Pondicherry engineering college, pillaichavady, Puducherry, India, pp. 8-9, 15th Feb 2012.

AWARDS and HONORS

1. “**Young Faculty Award**” by the Center for Advanced Research and Design (Trustee: Venus International Foundation), on VIFFA 2015, Chennai, 5th July, 2015.

PROFESSIONAL AFFILIATION (Membership in Academic/Technical Bodies)

1. I am a Member (ID No.: 9839431) of **ACM Journals**.
2. I am a Senior Member (ID No: SNM10100052577) of **Universal Association of Computer and Electronics Engineers (UACEE)**.
3. I am a Member (ID No.: 133536) of **IAENG** journals.

JOURNALS/ CONFERENCES REVIEWER

1. I served or is serving as an Editorial Board member in The **International Journal on Recent and Innovation Trends in Computing and Communication**.
2. I served or is serving as a **Board Member (ID- SSRGJ-IJCOT-13164)** in The **International Journal of Computer & Organization Trends**.

3. I served or is serving as an Editorial Board member in The **American Journal of Academic Research**.
4. I served or is serving as an Editorial Board member in The **American Journal of Engineering and Technology**.
5. I served or is serving as a reviewer in The **Springer** - International Journal of Wireless Information Networks.
6. I served or is serving as a reviewer in The **Ad Hoc & Sensor Wireless Networks**.
7. I served or is serving as a reviewer in The **Journal of Computer Science**.
8. I served or is serving as a reviewer in The **American Scholarly Research Association (ASRA)**.
9. I served or serving as a reviewers board member in The **International Research Journal of Computer Science (IRJCS)**.
10. I served or serving as a reviewers board member in The **International Journal of Trend in Research and Development**.
11. I served or is serving as a reviewer/speaker in The **Association of Scientists, Developers and Faculties (ASDF) – International**.
12. I served or is serving as a reviewer in The **International Transactions on Software Engineering (ITSE)**.
13. I served or is serving as a reviewer (**ID: 20150160**) in The **International Journal of Research in Engineering and Technology (IJRET)**.
14. I served or is serving as a reviewer in The **Journal of Current Engineering Research (JCER)**.
15. I have accepted an invitation to be a Transport committee member of “International Conference on Pattern Recognition and Multimedia Signal Processing (**ICPRMSP '15**)” during January 9-10, to be held in Annamalainagar, Tamilnadu, India, 2015.

16. I have accepted an invitation to be a **Program committee member / Reviewer** of the “International Conference on Computational Intelligence (ICCI-15), during April 7th and 8th, organized by Department of Computer Science and Engineering, Bharathidasan Institute of Technology (BIT) campus, Anna University, to be held in Tiruchirappalli, India, 2015.
17. I have accepted an invitation to be a **Technical Committee Member** of the International Conference on Systems, Science, Control, Communication, Engineering and Technology (ICSSCET 2015) during August 10 – 11, organized by Karpagam Institute of Technology, Coimbatore, India, 2015.
18. I have accepted an invitation to be a **Technical Committee Member** of the International Conference on Interdisciplinary Research in Electronics and Instrumentation Engineering 2015 (ICIREIE 2015) during August 11 – 12, organized by Department of Electronics and Instrumentation Engineering, Bharathiyar University, Coimbatore, India, 2015.
19. I have accepted an invitation to be a **Technical Review Committee Member** of the 2nd International Conference on Information Engineering, Management and Security (ICIEMS 2015) during August 13 – 14, organized by IITM Research Park, Taramani, Chennai, India, 2015.
20. I have accepted an invitation to be a **Technical Committee Member** of the International Conference on Cryptography and Security (ICCS 2015) during November 25 – 27, organized by The Vikas International SDN BHD, Kuala Lumpur, Malaysia, 2015.
21. I have accepted an invitation to be a **Technical Committee Member** of The Third International Conference on Human Machine Interaction (HMI 2015) during November 25 – 27, organized by Association of Scientists, Developers and Faculties, Kuala Lumpur, Malaysia, 2015.
22. I have accepted an invitation to be a **Technical Committee Member** of the International Conference on Innovative trends in Electronics Communication and Applications (ICIECA 2015) during December 19 – 20, organized by IITM Research Park, Taramani, Chennai, India, 2015.

23. I have accepted an invitation to be a **Committee Member** of the Second ASDF - World Security Summit 2015 during December 30, organized by Association of Scientists, Developers and Faculties, Bangalore, India, 2015.
24. I have accepted an invitation to be a **Technical Committee Member** of the International Conference on Inter Disciplinary Research in Engineering and Technology (ICIDRET 2016) during February 12 - 13, organized by DSIIDC, Govt. of NCT of Delhi, Connaught Circus, New Delhi, India. 2016.
25. I have accepted an invitation to be a **Technical Review Committee Member** of the International Conference on Cloud of Things and Wearable Technologies (ICCOTWT 2016), during July 14 - 16, held on School of Engineering and Computer Science, Oakland University, USA. 2016.
26. I have accepted an invitation to be a **Technical Committee Member** of the 5th International Conference on Cloud Computing and eGovernance (ICCCEG 2016), during July 20 - 21, London. 2016.
27. I have accepted an invitation to be a **Technical Review Committee Member** of the 2nd International Congress 2016, during November 16 - 18, Bangkok, Kingdom of Thailand, 2016.

RESEARCH INTEREST

- Mobile Ad-hoc Network
- Wireless Network
- Computer Engineering
- Communication Engineering
- Telecommunications Engineering
- QoS
- Routing Protocols
- Video Streaming Services

- Streaming Media Architectures

CERTIFICATE

This is to certify that the information furnished above is true to the best of my knowledge.

Date:

(A. AYYASAMY)

Place: India.