

FACULTY VITAE



1. **Name** : **Dr. T.V. ANANTHAN**

2. **Education** :

- 2012 , Ph.D, Computer Science and Engineering, Dr.M.G.R.Educational And Research Institute (Deemed to be University), India
- 1998, M.E, Computer Science & Engineering, Anna University, India
- 1992, B.E.Computer Science & Engineering, Madras University, India

3. **Academic Experience** :

- October 2004- Till date Dr. M.G.R. Educational and Research Institute, Member Academic Council, Member – Board of Studies etc
- 1995- Sep 2004- Asst. Prof., Sathyabama University, India.
- 1992-1994- Lecture, Adaikala Madha Arts and Science , Tanjore, India.

4. **Non-Academic Experience**

- Nil

5. **Certifications or Professional Registrations**

- CISCO Instructor

6. **Current membership in professional organizations**

1. Life Member of Indian Society of technical Education
2. IEI Member.

7. **Honors and awards**

- Certificate of Excellence for produced 95% and in the subject “Principle of Management” at Dr.M.G.R. Educational and research Institute (University), Chennai.
- Dr.M.G.R. Research Award 2014 for Research paper publication.
- Certificate of Honour by Academic staff college, Dr.M.G.R.Educational and Research Institute (University), for the participation in **Faculty Empowerment Programme**, dated.15 to 19 February 2016.
- Sir.C.V.Raman Research Publication Premium Award-May 2016.
- Certification of Appreciation Award- May 2016.
- Best performance Award - October 2018.

8. Service activities

1. Research Centre Coordinator.
2. Publication coordinator.
3. Third Year incharge
4. Coordinator for National Testing Agency
5. Session Chair at the National Conference on Innovative Computing Techniques 2015, 2106 and 2018 versions held at Dr. M.G.R. Educational and Research Institute University
6. Successfully Completed the “**High Impact Teaching Skills Workshop**” from Dale Carnegie/Wipro Mission 10x
7. Question Paper Setting for Hindustan University.
8. Authored a book on “Innovative Comprehension on computer Science Fundamentals” - ISBN 978-93-84654-18-4

9. Publications and Presentations, from past 5 years.

International Journals

International Journals

1. T.V.Ananthan and R. Nakkeeran, (2007) “Amelioration of BEBA in distributed MAC protocol to bate the power frugality in Wi-Fi (802.11b)”, published in **IEEE Explore Digital Library**. pp. 1014-1019. **Scopus**.
2. T.V.Ananthan and R. Nakkeeran, (2009) “Amelioration of BEBA in distributed MAC protocol to reduce the waiting time of a station in Wi-Fi (802.11)”, International Journal of Computer and Applications (IJCA), Vol.04, Number.01, ISSN: 0973-5704, pp.71-76. **Impact factor: 0.323**.
3. T.V.Ananthan, R.Nakkeeran and S.Swathi, (2010) “Upswing of BEBA in distributed MAC protocol to reduce the waiting time of station wireless network (Wi-Fi, 802.11b)”, The Advanced Computing Science International Journal on Computational Intelligence (ACS - IJCI), Vol.01, Issue no:01, ISSN:0976-1292, pp.47-54.
4. T.V.Ananthan, R.Mohan Lakshmanan (2012) “Image block-based Steganography and Encryption System for Business Applications”, International Journal of Advance Technology & Engineering Research (IJATER), ISSN:2250-3536, Vol.02. Issue No: 02, pp. 58-63.
5. Vijayashree, Kolla banuprakash, T.V.Ananthan (2013) “ Training the Neural Network Using Levenberg-Marquardt’s Algorithm to Optimize the Evacuation Time in An Automotive Vacuum Pump” , International Journal of Advanced Research in Engineering and Technology (IJARET), ISSN: 0976- 6480, Vol.04. Issue No:03, pp. 93-100.
6. T.V.Ananthan, SumathyEswaran, T.Muralidharan (2014) “A Novel Technique to Extract Image from diverse hand gestures of Google glass by Enhancing Gabor filter for variety of platforms”, International Journal of Applied Engineering Research (IJAER), ISSN: 0973-4562, Vol.9 , Issue No:24 , pp. 25733-25739.**Scopus**.
http://www.ripublication.com/ijaer%208/ijaerv9n24_203.pdf.

7. Kolla Bhanu Prakash, Durai Rangasamy, & T.V.Ananthan, (2014) “ Feature Extraction Studies in a Heterogeneous Web World ”, International Journal of Applied Engineering Research (IJAER), ISSN: 0973-4562, Vol.9, Issue No:22 , pp.16571-16579. **Scopus .**
8. Rajavarman,V.N. Dinesh Kumar P, Ananthan,T.V. (2015) “Active Resource Allocation using ARIMA forecasting technique for Virtual Machines in Cloud Computing”, Global Journal of Pure and Applied Mathematics (GJPAM),ISSN: 0973-1768,Vol. 11, Issue No:2, pp.557-568 . **Scopus.**
9. Kolla Bhanu Prakash, Durai Rangasamy, Ananthan.T.V & Rajavarman V. (2015) “Information Extraction in Unstructured Multilingual Web Documents”, Indian Journal of Science and Technology(IJST), ISSN: 0974-5645, Vol., Issue No: , pp.. **Scopus.**
10. Rajalakshmi, R . & Ananthan, T.V. (2015) “Secured Routing in Wireless Sensor Networking Protocol Using Swarm Intelligence” International Journal of Applied Environmental Sciences (IJAES), ISSN: 0973-6077, Vol., No.(1), pp.58-64, <http://www.ripublication.com/ijaer.html>. **Scopus.**
11. Rajalakshmi, R . & Ananthan, T.V. (2016) “Hybrid Routing Using Swarm Intelligence in Wireless Sensor Networks” International Journal of Control Theory and Applications (IJCTA), ISSN: 0974-5572, Vol.9, No.(4), pp.125-135, **Scopus.**
12. Sangami. C, Ananthan,T.V. Suruthi, S.(2016) “ Isolation of Malevolent Nodes Using Supportive Trap in Mobile Ad hoc Networks” CiiT International Journals Vol (8), No.5.
13. Manivasagam, M.A and Ananthan,T.V. (2016) “ Reliable and Efficient Self Reconfiguration WSN design (RESR) to Mitigate Link Failures”, International Journal of Control Theory and Applications (IJCTA) ISSN:0974-5572, Vol.9(31), pp.107-118. **Scopus.**
14. T.Kamalraj, Ananthan,T.V. and Balakrishnan, (2017) “Development of cluster Routing Protocol for Power Consumption in Wireless Sensor Networks: A Survey”, International Journal of Application or Innovation in Engineering & Management (IJAEM), Volume 6, Issue 1, January 2017. ISSN 2319 –4847.**Scopus.**
15. T.Kamalraj, Ananthan,T.V. and Balakrishnan, (2017) ““Development of Cluster Routing protocol in Homogeneous networks for Randomly Deployed MSN in WSNs”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 13 (2017) pp. 3702-3707 © Research India Publications. <http://www.ripublication.com>.**Scopus.**
16. T.Kamalraj, Ananthan,T.V. and Balakrishnan, (2018) "Enhanced cost-aware Secure Routing Protocol Design for Wireless Sensor Network", Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 10-Special Issue, 2018, pp. (64-69).**Scopus.**

17. G. Sabeena Gnanaselvi , T.V.Ananthan, (2018) "An Analysis of Applications, Challenges and Security Attacks in MANET", International Journal of Computer Sciences and Engineering, UGC Approved, Vol.6, Issue-5, pp. 941-947, May-2018, DOI: <https://doi.org/10.26438/ijcse/v6i5.941947>.
18. M.A.Manivasagam , T.V.Ananthan (2018), "Signal Strength Based Self Reconfiguration to Ensure Reliability in Wireless Sensor Networks", Indonesian Journal of Electrical Engineering and Computer Science Vol. 10, No. 2, May 2018, pp. 725-732, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v10.i2.pp.725-732. **Scopus**.

International Conferences

1. T.V.Ananthan and R.Nakkeeran, (2008) "Amelioration of BEBA in distributed MAC protocol to reduce the waiting time of a Station in Wireless LAN", ICDEM-2008, International conference on Data Engineering and Management at Bishop Heber College, Tiruchirappalli, India.
2. T.V.Ananthan, R. Nakkeeran and S. Swathi, (2009) "Upswing of BEBA in distributed MAC to reduce the waiting time of a Station in Wi-Fi, 802.11", FACT-2009, International Conference at K.C.G College of Technology, Chennai, India.
3. T.V.Ananthan, R. Nakkeeran and S. Swathi, (2011) "Amelioration of BEBA in distributed MAC protocol to curtail the waiting time of a station in Ad hoc Network", ICETECT 2011, Organized by IEEE, International Conference at St. Xavier's Catholic College of Engineering, Chunkankadai, Nagercoil, Tamilnadu, India. **Scopus Rated**.
4. Vijashree , Kolla Banu Prakash, T.V.Ananthan, (2013) " Training the Neural Network using Levenberg-Marquardt's Algorithm to optimize the evacuation time in an Automotive Vacuum pump " , RITS ICAEM-2013 International Conference on Advancement in Engineering and Management at Royal Institute of Technology , Hyderabad , Andra Pradesh , India. ISBN 978-93-5104-586-1.
5. Vijashree, Kolla Banu Prakash, T.V.Ananthan, (2013) " Optimization of Evacuation Time in an Automotive Vacuum Brake using Artificial Neural Network", International Conference on Design, Analysis, Manufacturing and Simulation (ICDAMS-2013), March 21&22 Department of Mechanical Engineering, Saveetha School of Engineering, Saveetha University, Chennai-602105.
6. Kolla Banu Prakash, T.V.Ananthan, V.N.ajavarman (2014) "Neural Network Framework for Multilingual Web Documents", International Conferences on Contemporary Computing and Informatics (IC3I 2014), November 27-29, at SJCE, Mysore, India. **Scopus**.
7. Rajalakshmi R & Ananthan T.V., (2015) " Improving Energy Efficiency Through Green Computing in Wireless Sensor Networks", International Conference Theme E-Waste Management, ATHULYAM-2015 Aug 20 & 21, Faculty of Management Studies, Dr.M.G.R.Educational and Research Institute, Chennai, India. **Scopus**.

National Conference:

1. Shuruthi,S. & Ananthan,T.V.(2016) “ Harnessing the Power from Home Appliance’s Light Resources to Fuel Low Power Devices Using Graphenes ” presented in the National Conference on Innovative Computing Techniques (NCICT’16), at Chennai, on 20th April.
2. ArutSelvan. & Ananthan,T.V.(2016) “A survey on Node based Misbehavior detection Schemes in VANET” presented in the National Conference on Innovative Computing Techniques (NCICT’16), at Chennai, on 20th April.
3. Rajalakshmi,R. & Ananthan,T.V.(2016) “A survey on Clustering Based Routing Protocol scheme in WSN” presented in the National Conference on Innovative Computing Techniques (NCICT’16), at Chennai, on 20th April.
4. Rajalakshmi, R., & Ananthan,T.V. (2015) “ Advanced Nano sensor Technology in WBANs” *presented in the Second National Conference on Innovative Computing Techniques (NCICT 2015) Sustainable computing and Model*, at Chennai, on 9th & 10th, April,ISBN:978-1-941505-34-2.
5. Jeyanthi, M., & Ananthan, T.V., (2014), ‘ Enhancing Driving Controls with Vehicular Adhoc network’, NCICT2014, pp 404-406, ISBN 978- 81-925141-9-2. held on 27th - 28th March 2014, at Chennai.
6. Mohana, S., & Ananthan, T.V., (2014), ‘ Web Services Composition’, NCICT2014, pp 666-670, ISBN 978- 81-925141-9-2. held on 27th - 28th March 2014, at Chennai.
7. Ethirajalu, Ananthan.T.V. (2008) “Output controlled grant-based round robin for improving quality of services in IP networks” ,Resent trends in advanced computing, K.L.N.Engineering College, Madurai. Apr 2008
8. Shreeprakash Pathak, & Ananthan.T.V. (2005) “Optimization problems and Solution Methods In Ad Hoc Network” , National Conference on Recent Trends in Science and Technology , Dr.M.G.R.Educational and Research Institute (University), Chennai.May,26-27.
9. Sampathkumar,K. & Ananthan.T.V. (2005) “Securing Stateless Core Networks”, National Conference on Recent Trends in Science and Technology, Dr.M.G.R.Educational and Research Institute (University), Chennai.May,26-27.
10. Vijayakumar.L, & Ananthan.T.V. (2005) “Decentralized Authentication using Secure Network Access Protocol”, National Conference on Recent Trends in Science and Technology , Dr.M.G.R.Educational and Research Institute (University), Chennai. May, 26-27.

11. Susmitha.M.N, & Ananthan.T.V. (2005) “Alternate path Routing for Multicast”, National Conference on Recent Trends in Science and Technology , Dr.M.G.R.Educational and Research Institute (University), Chennai.May,26-27.
12. Sathyendrakumar, V, & Ananthan.T.V. (2005) “Improving Multihoming Performance On Stream control Transmission control(SCTP)”, National Conference on Recent Trends in Science and Technology , Dr.M.G.R.Educational and Research Institute (University), Chennai. May,26-27.
13. Sarada. B, & Ananthan.T.V. (2005) “Schema SQL”, National Conference on Recent Trends in Science and Technology , Dr.M.G.R.Educational and Research Institute (University), Chennai. May,26-27.
14. Saritha. Gummadi, & Ananthan.T.V. (2005) “Design and Implementation of Distributed object Composition Language “,National Conference on Recent Trends in Science and Technology , Dr.M.G.R.Educational and Research Institute (University), Chennai.May,26-27.
15. Jones Anitha Rani R, & Ananthan.T.V. (2005) “DNA Sequence Searching & Authentication System “,National Conference on Recent Trends in Science and Technology , Dr.M.G.R.Educational and Research Institute (University), Chennai.May,26-27.