Faculty Name :   **Dr. M. DEVA PRIYA**

Academic Qualifications

University/ Location	Degree	Branch	Name of College / School & Location	Year of Passing
Anna University, Chennai	Ph.D.	Ph.D.	Anna University, Chennai	2015
Anna University, Chennai.	M.E (F)	M.E (CSE)	Kumaraguru College of Technology, Coimbatore	2007
Anna University, Chennai.	B.E (F)	B.E (CSE)	Maharaja Engineering College, Coimbatore	2005

Experience:

Name of Institution & Place	Duration		Designation
	From Date	To Date	
Sri Krishna College of Technology, Coimbatore	01.05.2016	Till Date	Associate Professor
Sri Krishna College of Technology, Coimbatore	01.06.12	30.04.16	Assistant Professor
Manakula Vinayagar Institute of Technology, Puducherry	07.06.10	30.04.12	Assistant Professor
I.F.E.T College of Technology, Villupuram	11.12.09	28.04.10	Lecturer
V.L.B Janakiammal College of Engineering & Technology, Coimbatore	21.05.07	30.11.09	Lecturer

Research Experience

Area of Research - Wireless networks

Membership In Any Professional Body / Institute / Society

- ✓ Indian Society for Technical Education (ISTE) - Life Member
- ✓ Lifetime member of International Society for Research and Development (ISRD) - Fellow
- ✓ International Association of Engineers (IAENG) - Member
- ✓ Institute of Research Engineers and Doctors (IRED) - Senior Member (UACEE)

PUBLICATIONS

International Conferences

1. "A Novel Cluster based Scheme for Node Positioning in Indoor Environment", 2nd

International Conference on Science, Technology, Engineering and Management - ISTEM '19 at Kumaraguru College of Technology, Coimbatore on 15.02.2019.

2. "Mitigating Byzantine Attacks in MANET" in the IEEE sponsored International Conference on Recent Advances in Engineering and Technologies - ICRAET at Sri Krishna College of Engineering and Technology, Coimbatore during 28th - 29th December 2017.

3. "EC-STCRA: Energy Conserved–Supervised Termite Colony based Role Assignment scheme for Wireless Sensor Networks" in the 3rd International Conference on Recent Trends in Computing 2015 (ICRTC-2015) at SRM University, Delhi-NCR Campus, Ghaziabad during the period March 12th - 13th 2015. The paper is published in Elsevier Procedia Computer Science, ScienceDirect, 57, pp. 830-841 (Scopus).

4. "QP - ALAH: QoS Provisioned - Application Layer Auxiliary Handover in IEEE 802.16e Networks" in the 3rd International Conference on Advances in Computing, Communication and Control - ICAC3 at Fr. Conceicao Rodrigues College of Engineering (CRCE), Mumbai during the period 18th - 19th January 2013.

5. "Implementation and evaluation of queue-based scheduling algorithms in point to multipoint WiMAX networks" in the International Convention cum pre-conference workshop on Innovations in Engineering and Technology for Sustainable Development (IETSD-2012) at Bannari Amman Institute of Technology, Sathyamangalam, Coimbatore during the period 3rd - 5th September 2012.

6. "Root Node Attack in a WiMAX 802.16e Network" in the International Conference on Trendz in Information Sciences & Computing (TISC) at Sathyabama University, Chennai during the period 17th -19th December 2010 (Published in IEEE Xplore, Scopus).

7. "SAAL: Security at all levels in a Wireless Sensor Network" in the International Conference on Communication, Convergence and Broadband Networking (ICCBN 2008) at IISC Bangalore during the period 17th - 20th July 2008.

8. "A Secured and Power efficient Approach for Data Fusion in Wireless Sensor Networks" in the IEEE-International Conference on Signal Processing, Communications and Networking (ICSCN '08) at Madras Institute of Technology, Anna University, Chennai during the period 4th - 6th January 2008.

9. "Power-Efficient Data Fusion Assurance using Indirect Anti-Voting Mechanism in Wireless Sensor Networks" in the International Conference (CITICOMS) at Coimbatore Institute of Technology, Coimbatore during the period 27th - 29th August 2007.

National Conferences

1. "Reliable Multi-Source Broadcasting in IoT" in the National Conference on Research

Challenges in IoT and Cloud computing at Sri Krishna College of Technology, Coimbatore on 03rd March 2016.

2. "Energy Efficient Connected Dominating Set in Wireless Mesh Networks" in the 5th National conference on Issues and Trends in Advanced Computing (NITAC-2015) at Bannari Amman Institute of Technology, Sathyamangalam during the period 13th - 14th March 2015.

3. "A novel routing mechanism for IEEE 802.16 e Networks" in the National Conference on Advanced Computing and Communication Technology at Santhagiri College, Vazhithala, Thodupuzha, Kerala during the period 15th - 16th November 2012.

4. "SEAR: Secured and Energy-Aware routing in a Wireless Sensor Network" in the 4th National Conference on Signals, Systems and Communication at College of Engineering, Guindy Campus, Anna University, Chennai during the period 8th - 9th May 2008.

5. "SPPS: Secured and Power-efficient Path Selection in Wireless Sensor Network" in the 1st National Conference on Communication, Computation and Automation (CCCA 2008) at Sri Ramakrishna Institute of Technology, Coimbatore during the period 25th - 26th April 2008.

6. "Vulnerabilities in WiMAX" in the National conference on Recent Trends in Advanced Computing (RTAC 2008) at Thiagarajar College of Engineering, Madurai on 17th April 2008.

7. "Comparative Study of TSF and Blue line Algorithms for Scatternet Formation in Bluetooth" in the National Conference on IT for Industrial Research at Sona College of Engineering, Salem during March 2008.

8. "Energy-Conserved, Fault- Tolerant, Intrusion-Less Clustering In Wireless Sensor Networks" in the National Conference on Information Management (NCIM 2007) at Thiagarajar College of Engineering, Madurai on 27th December 2007.

9. "Power-Efficient Data Fusion Assurance using Indirect Anti-Voting Mechanism in Wireless Sensor Networks" in the 2nd National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST '07) at Bannari Amman Institute of Technology, Coimbatore during the period 28th - 29th March 2007.

International Journals

1. "Cooperative Partial Demodulation for Multihop Wireless Communication", International Journal for Scientific Research and Development (IJSRD), ISSN: 2321-0613, Vol. 5, No. 02, pp. 21 - 25, April 2017.

2. "Detection and Avoidance of Malicious Nodes on MANETs", International Journal of Scientific Research in Computer Science, Engineering and Information Technology

(IJSRCSEIT), ISSN: 2456-3307, Vol. 2, No. 2, pp. 434-441, March 2017.

3. "Black box detection using UAV in FANETs", International Journal of Multidisciplinary Research and Development, ISSN: 2349-5979, Vol. 3, No. 1, pp. 69 - 72, January 2016.

4. "A Cross Layered Approach for Seamless Handover in Mobile WiMAX Networks", International Journal of Innovative Research in Technology & Science (IJIRTS), ISSN: 2321-1156, Vol. 3, No. 3, pp. 50 - 57, May 2015.

5. "PPCLSS: Probabilistic Prediction Coefficient Link Stability Scheme based Routing in MANETs", International Journal of Computer Science & Engineering Technology (IJCSET), ISSN: 2229-3345, Vol. 6, No. 4, pp. 246 - 256, April 2015.

6. "Energy Efficient Linked Supervisory Set based Routing (E^2LS^2R) scheme for Wireless Mesh Networks", International Journal of Multidisciplinary Research and Development, ISSN: 2349-5979, Vol. 3, No. 3, pp. 494 - 499, March 2015. Impact factor: 3.672

7. "A countermeasure for flooding attack in mobile WiMAX networks", International Journal on Computational Sciences & Applications (IJCSA), ISSN: 2200 - 0011, Vol. 4, No. 5, October 2014.

8. "DNS: Dynamic Network Selection Scheme for Vertical Handover in Heterogeneous Wireless Networks", International Journal of Computer Science and Business Informatics (IJCSBI), ISSN: 1694 - 2108, Vol. 13, No. 1, pp. 19 - 34, May 2014.

9. "A Cross Layered Approach for Network Selection in Heterogeneous Wireless Networks", International Journal of Innovative Science, Engineering & Technology (IJISET), ISSN: 2348 - 7968, Vol. 1, No. 3, pp. 45 - 52, May 2014.

10. "An Enhanced Relay Selection Scheme (ERS) for Cooperative Relaying in Mobile WiMAX Networks", International Journal of Science, Engineering and Technology Research (IJSETR), ISSN: 2278 - 7798, Vol. 3, No. 5, pp. 1401 - 1407, May 2014.

11. "Dynamic Bandwidth Allocation Scheme for Efficient Handover in IEEE 802.16e Networks", International Journal of Computer Science and Mobile Computing, ISSN: 2320 - 088X, Vol. 3, No. 4, pp. 284 - 292, April 2014, Impact Factor: 2.14.

12. "DCRS: A Dynamic Contention Resolution Scheme for WiMAX Networks", ICTACT Journal on Communication Technology, ISSN: 2229 - 6948, Vol. 05, No. 01, pp. 882 - 889, March 2014.

13. "Performance Analysis of Scheduling Mechanisms in WiMAX Networks", SOP Transactions on Wireless Communications, Vol. 1, No. 1, pp. 40 - 49, March 2014.

14. "SEARP: Strength based Energy-Aware Routing Protocol for WiMAX Networks", International Journal of Research in Computer Applications & Information Technology, ISSN: 2347-5099 (O), Vol. 1, No. 2, pp. 148-159, October - December 2013.

15. "A Cross-Layered Path Stability based Routing Protocol for WiMAX Networks", American Journal of Applied Sciences, ISSN: 1546 - 9239, Vol. 10, No. 11, pp. 1325 - 1334, September 2013, Impact Factor: 1.4 (Scopus).

16. "Efficient QoS-based Scheduling Mechanisms for IEEE 802. 16e Networks", International Journal of Computer Applications (IJCA), ISSN: 0975-8887, Vol. 72, No. 20, pp. 34 - 41, June 2013, Impact Factor: 0.814.

17. "QPS: Queuing model based Power saving Scheme for IEEE 802.16e networks", International Journal of Science, Engineering and Technology Research (IJSETR), ISSN: 2278 - 7798, Vol. 2, No. 05, pp. 1069 - 1074, May 2013.

18. "Fast and Secure Handover in IEEE 802.16e Networks", Journal of Global Research in Computer Science (JGRCS), ISSN: 2229-371X, Vol. 4, No. 4, pp. 195 - 199, April 2013, Impact Factor : 0.60.

19. "A Countermeasure for Black Hole Attack in Mobile WiMAX Networks", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), ISSN: 2278 - 1323, Vol. 2, No. 3, pp. 964 - 973, March 2013.

20. "BAC: Bandwidth Based Admission Control Scheme for Gateway Relocation in IEEE 802.16e Networks", ICTACT Journal on Communication Technology, Published by ICT Academy of Tamil Nadu, ISSN: 2229-6948 (Online), Vol. 04, No. 01, pp. 699 - 705, March 2013, Index Copernicus Value (ICV) = 5. 09.

21. "Implementation and Evaluation of GPSR and M-LAER in mobile WiMAX Networks", International Journal of Emerging Science and Engineering (IJESE), ISSN: 2319 - 6378, Vol. 1, No. 3, pp. 1 - 7, January 2013, Impact Factor: 1.0.

22. "QP - ALAH: QoS Provisioned - Application Layer Auxiliary Handover in IEEE 802.16e Networks", Springer Digital Library and Communications in Computer and Information Science (CCIS), ISSN 1865-0929, Vol. 361, pp. 366 - 380, January 2013, Impact Factor : 0.130 (Scopus).

23. "ARPE: An Attack-Resilient and Power Efficient Multihop WiMAX Network", International Journal on Computer Science and Engineering (IJCSE), ISSN: 0975-3397, Vol. 02, No. 04, pp. 1201-1208, July 2010.

Seminars Attended

1. Attended an International Seminar on "Advanced Simulation Techniques and Computational Methods" organized by Sri Krishna College of Technology on 16th December 2014.

2. Attended 1 day seminar on "Medical Computer Vision" conducted by Sri Krishna College of

Technology on 27th December 2013.

3. Attended 1 day seminar on "Securing the Cloud - A Systematic Approach" conducted by Sri Krishna College of Technology on 4th January 2013.

4. Attended 1 day seminar on "Image Mining for Remote Sensing Applications" conducted by Sri Krishna College of Technology on 13th July 2012.

5. Attended 2 days Seminar on "Swarm Intelligence" conducted by Manakula Vinayagar Institute of Technology on 24th and 25th June 2011.

6. Attended 1 day Seminar on "Routing Issues in Wired & Wireless Networks" organised by V.L.B Janakiammal College of Engineering & Technology on 5th March 2009.

7. Attended 1 day Seminar on "Computational Intelligence & Image Processing" at V.L.B Janakiammal College of Engineering & Technology on 20th February 2009.

8. Attended a Seminar on "Multicore Architectures" conducted by PSG College of Technology on 19th September 2007.

Workshops Attended

1. Attended 1 day on "IPR patent search, drafting and filing" organized by Sri Krishna College of Technology on 10th October 2017.

2. Attended 1 day on "Intellectual Property Rights & Innovations" organized by Sri Krishna College of Technology on 19th September 2017.

3. Attended "NPTEL" Workshop organized by IIT Madras at KSR College of Engineering, Tiruchengode on 11th January 2017.

4. Attended 1 day Workshop on "Using Modern Development Tools to simplify Code development in Linux environment" organized by the Department of CSE, Sri Krishna College of Technology on 25th November 2016.

5. Attended 1 Workshop on "LaTeX" organized by the Department of Mathematics, Karunya University on 2nd April 2016.

6. Attended "Goal Setting workshop" by Leena Munot organized by Sri Krishna Institutions in January 2016.

7. Attended 1 day Workshop on "Qualnet Simulator" organized by Sri Krishna College of Technology on 10th February 2015.

8. Attended 2 days National Workshop on "Evolutionary Web Services with Service oriented Software Engineering" organized by V.L.B Janakiammal College of Engineering and Technology on 30th September and 1st October 2009.

9. Attended 2 days National Workshop on "Issues and Challenges in WiMAX Networks" organized by V.L.B Janakiammal College of Engineering & Technology on 6th and 7th

August 2009.

10. Attended 2 days National Level Workshop on "High Performance Computing" organized by Anna University Coimbatore on 20th and 21st March 2009.

11. Attended 1 day Workshop on "Multimedia and its Applications" at V.L.B Janakiammal College of Engineering & Technology on 16th February 2009.

12. Attended 2 days Workshop on "Network Simulator-2" conducted by Government College of Technology, Coimbatore on 23rd and 24th January 2009.

13. Attended a National Workshop on "Embedded Sensor Networks" held at Coimbatore Institute of Technology during 1st and 2nd February 2008.

14. Attended a Workshop on "Open Source and IBM tools" at Sri Krishna College of Engineering and Technology during 23rd and 24th October 2007.

Faculty Development Programmes Attended

1. Attended a Week AICTE/ISTE sponsored Induction/Refresher Programme on "Machine Learning Techniques for Next Generation smart Systems" organized by Sri Krishna College of Technology from 18th to 23rd June 2018.

2. Attended a Week AICTE recognized Short term Course on "Machine Learning using Python" organized by Sri Krishna College of Engineering & Technology from 14th to 18th May 2018.

3. Attended 2 days Faculty Development Programme on "Machine Learning" organized by Sri Krishna College of Technology on 7th and 8th December 2017.

4. Attended 2 days Faculty Development Programme on "Introduction to Mobile App Development" conducted by ICTACT organized by Jay Shriram Group of Institutions, Tirupur on 27th & 28th November 2017.

5. Attended 1 day Faculty Development Programme on "Power of Visualization - by Qlik" organized by Cognizant, Coimbatore on 27th September 2017.

6. Attended 2 days Faculty Development Programme on "Data Structures & Applications" organized by Sri Krishna College of Technology on 27th and 28th June 2017.

7. Attended 2 days Faculty Development Programme on "Salesforce Trailhead" conducted by ICTACT organized by PSG Institute of Technology and Applied Research, Coimbatore on 15th & 16th June 2017.

8. Attended 5 days Faculty Development Programme on "Oracle PL/SQL" conducted by ICTACT organized by PSG Institute of Technology and Applied Research, Coimbatore from 15th to 19th May 2017.

9. Attended 2 days Faculty Development Programme on "Introduction to Internet of Things"

conducted by ICTACT organized by Dr. NGP Institute of Technology, Coimbatore on 30th and 31st January 2017.

10. Attended 2 days Faculty Development Programme on "Data Center Virtualization Fundamentals" conducted by ICTACT organized by Sri Krishna College of Technology on 26th and 27th August 2016.

11. Attended 3 days Faculty Development Programme on "Data Center Virtualization Fundamentals" conducted by ICTACT at Sona College of Technology, Salem from 30th May to 1st July 2016.

12. Attended 2 days Faculty Development Programme on "Artificial Intelligence" organized by the Department of Computer Science & Engineering, Sri Krishna College of Technology on 23rd and 24th May 2016.

13. Attended 1 day Faculty Development Programme on "Data Structures and Algorithms" organized by Centre for Professional Development and Training, Sri Krishna Institutions on 31st August 2015.

14. Attended 1 day Faculty Development Programme on "Theory of Computation" organized by Sri Krishna College of Technology on 22nd June 2015.

15. Attended 2 days Faculty Development Programme on "Data Structures & Analysis of Algorithms" organized by Sri Krishna College of Technology on 19th and 20th June 2015.

16. Attended 2 weeks Faculty Development Programme on "Middleware Technologies and its Emerging Trends" conducted by Manakula Vinayagar Institute of Technology from 30th May to 11th June 2011.

17. Attended 1 day Faculty Development Programme on "Knowledge Management" organized by Pondicherry Engineering College on 28th January 2011.

18. Attended a Faculty Development Programme on "Network Security" organized by Government College of Technology, Coimbatore on 29th and 30th March 2009.

19. Attended a Faculty Development Programme organized by Continuing Education Cell of V.L.B Janakiammal College of Engineering and Technology during the period 8th to 12th December 2008.

20. Attended "Wireless Communications and Networks", a Training Program conducted under TEQIP organized by Government College of Technology, Coimbatore from 21st and 22nd September 2007.

Programmes Organized

1. Organized a Week AICTE/ISTE sponsored Induction/Refresher Programme on "Machine Learning Techniques for Next Generation smart Systems" organized by Sri Krishna

College of Technology from 18th to 23rd June 2018.

2. Organized 2 days Faculty Development Programme on "Machine Learning" organized by Sri Krishna College of Technology on 7th and 8th December 2017.

3. Organized a Guest Lecture on "Trusted Computing" by Dr. P. Arun Mishra, Assistant Professor & Data Center (i/c) from Defense Institute of Advanced Technology (DIAT) - Under DRDO, Pune on 21st March 2018.

4. Organized a Seminar on "Qlik" for the Students of III CSE on 08th February 2018.

5. Organized 2 days Faculty Development Programme on "Machine Learning" organized by Sri Krishna College of Technology on 7th and 8th December 2017.

6. Organized 2 days Faculty Development Programme on "Data Structures & Applications" organized by Sri Krishna College of Technology on 27th and 28th June 2017.

7. Organized a Seminar on "Machine learning and its applications" on 31st March 2017.

8. Organized a Guest Lecture on "Importance of intermediate languages" on 31st March 2017.

9. Conducted a Value Added Course on "Data Centre Virtualization Fundamentals" jointly with VMWare and ICT Academy and trained 101 students from 27th to 30th December 2016 to receive international badges.

10. Organized 2 days Faculty Development Programme on "Data Center Virtualization Fundamentals" conducted by ICTACT organized by Sri Krishna College of Technology on 26th and 27th August 2016.

11. Organized 2 days Faculty Development Programme on "Artificial Intelligence" organized by the Department of Computer Science & Engineering, Sri Krishna College of Technology on 23rd and 24th May 2016.

Guest Lectures Delivered

1. Delivered a Guest lecture on "Design and Analysis of Algorithms" for the Anna University Approved Faculty Development Programme on 14th December 2017 at Anna University, Regional Campus, Coimbatore.

2. Delivered a Guest lecture on "Introduction to Mobile Adhoc Networks" for the anna University Approved Faculty Development Programme on "IT6601 Mobile Computing" on 7th December 2017at Nehru Institute of Technology, Coimbatore.

3. Delivered a Guest lecture on "Mobile Adhoc Networks" on 5th February 2016 at RVS College of Engineering and Technology, Coimbatore.

4. Delivered a Guest lecture on "Research Challenges in VANETs" in the ISTE Approved Short Term Training Program on "Research Challenges and Security Issues in Wireless

Networks" on 8th December 2015 at Dr. Dr. N G P Institute of Technology, Coimbatore.

Certifications

1. Completed a NPTEL Course on "Design and Analysis of Algorithms" with ELITE Certification during August - October 2018.
2. Completed a NPTEL Course on "Programming, Data Structures and Algorithms using C" with ELITE Certification (Top 5%) during February-March 2018.
3. Completed and received certificate for 60 hours of Professional development for the Oracle Academy Course "Database Programming with PL/SQL" during May 2017.
4. Have received **"Virtualization for Beginners"** from vmware Academy on 12th December 2016.
5. Have received **"vITA - Data Centre Virtualization Fundamentals"** from vmware Educational Services on 1st June 2016.

Patent

Published a patent titled "UBIQUITOUS WEARABLE: SMART HEALTH MONITORING SYSTEM" on 19.03.2018.

Others

Reviewer in the following Journals

✓ ICTACT Journal on Communication Technology
✓ Turkish Journal of Electrical Engineering & Computer Sciences

Mentor in NPTEL for the following courses

✓ Data Structures, Programming & Algorithms (Jan 2016)
✓ Programming in C++ (April 2017)