

Dr. PREETHA THERESA JOY

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Education

- 2016, Phd, Dept. of Computer Science, Cochin University of Science and Technology
- 2002, M.Tech in Software Engineering, Dept. of Computer Science, Cochin University of Science and Technology
- 1995, B.E in Computer Science and Engineering, University of Madras

Employment

2016-Present – Professor, College of Engineering, Cherthala

2010- 2016 - Associate Professor, Model Engineering College, Thrikkakara

2007- 2010 - Assistant Professor, Model Engineering College, Thrikkakara

2002-2007- Senior Lecturer, Model Engineering College, Thrikkakara

1996-2002- Lecturer in Computer Engineering, Model Engineering College, Thrikkakara

Areas of Interest

Computer Networks/Wireless Networks

Machine Learning

Image Processing

Teaching

Graduate Courses

Wireless Sensor Networks, Wireless Communication and Networking, Distributed Computing, Soft Computing

Under Graduate Courses

Computer Networks, Wireless Networks, Distributed Computing, Software Engineering, Software Architecture, Object Oriented Modelling and Design, DBMS, Operating Systems, Computer Architecture, Microprocessor System Design, C Programming, Data Structures

Publications

International Journals

1. Preetha Theresa Joy and K. Poullose Jacob, "A review of Data Caching Techniques for Mobile Ad hoc Networks", International Journal of Mobile and Ad hoc networks", Vol. 1, Issue 3, pp. 361-365.

2. Preetha Theresa Joy and K. Poulouse Jacob , “Cache Replacement Policies for Cooperative Caching in Mobile Ad hoc Networks”, International Journal of Computer Science Issues, Vol. 9, Issue 3, No. 2, May 2012, pp.500-505.
3. Preetha Theresa Joy and K. Poulouse Jacob , “Cache Replacement Strategies for Mobile Data Caching”, International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC) Vol.3, No.4, August 2012, pp. 99-107.
4. Preetha Theresa Joy and K. Poulouse Jacob, “Peer To Peer Cache Resolution Mechanism for Mobile Ad Hoc Networks”, International Journal of Wireless & Mobile Networks, Vol.5, Issue 5, October 2013, pp. 192- 196.
5. Preetha Theresa Joy and K. Poulouse Jacob, “Cooperative Caching Framework for Mobile Cloud Computing”, Global Journal of Computer Science and Technology - Network, Web & Security Volume 13, Issue 8, 2013, pp. 45- 52.
6. Preetha Theresa Joy and K. Poulouse Jacob, “Cache Discovery over a Multihop Wireless Ad Hoc Networks”, International Journal of Information Processing, Vol. 8, Issue 2, 2014, pp. 71-80.
7. Preetha Theresa Joy and K. Poulouse Jacob, “Adaptive Backbone Based Cooperative Caching in Mobile Ad hoc Networks”, International Journal of Wireless Information Networks, Springer, Volume 21, Issue 4 (2014), Page 306-316.
8. Preetha Theresa Joy and K. Poulouse Jacob, “Cooperative caching architecture for mobile ad hoc networks”, International Journal of Information and Communication Technology, Inderscience, Vol.11,No.3 pages 334-351 , 2017
9. K S Anusree, Dr. Preetha Teresa Joy," LITERATURE REVIEW ON IMAGE RETARGETING", International Journal of Creative Research Thoughts - IJCRT, Volume 6 , Issue 2, April 2018.
10. I. P. Febin, K. Jayasree & Preetha Theresa Joy ," Violence detection in videos for an intelligent surveillance system using MoBSIFT and movement filtering algorithm", Pattern Analysis and Applications, Springer, Vol 16, No. 5 ,May 2019 (SCIE).

International Conferences

1. Preetha Theresa Joy, K. Poulouse Jacob , “ Cooperative Caching Techniques for Mobile Ad hoc Networks”, Proc. of the International Conference on Data Science & Engineering (ICDSE) 2012, Kochi, India , pp. 175-180.
2. Preetha Theresa Joy and K. Poulouse Jacob, “ A Comparative Study of Cache Replacement Policies in Wireless Mobile Networks”, Proceedings of the Second International Conference on Advances in Computing and Information Technology, July, 2012, Chennai, India , published in Lecture Notes in Computer Science, Vol. 5793 (Springer, Heidelberg), pp. 609-619.
3. Preetha Theresa Joy and K. Poulouse Jacob, “A Key Based Cache Replacement Policy for Cooperative Caching in Mobile Ad hoc Networks”, 3rd IEEE International Advance Computing Conference (IACC), Delhi, India, 2013, pp. 383-387.

4. Preetha Theresa Joy and K. Poulouse Jacob, "A Novel Cache Resolution Technique for Cooperative Caching in Wireless Mobile Networks", Proc. of the Third International Conference on Computer Science, Engineering & Applications, May 2013, Delhi, India, CS& IT, Vol. 3, No.5., 2013, pp. 203-209.
5. Preetha Theresa Joy and K. Poulouse Jacob, "A location Aided Cooperative Caching Protocol for Mobile Ad hoc Networks", 6th IEEE International Conference on Advanced Infocomm Technology, Taiwan, July 2013.
6. Preetha Theresa Joy and K. Poulouse Jacob, "Energy Efficient Cache Discovery in Wireless Mobile Ad Hoc Networks", Proc. of Seventh International Conference on Communication Networks (ICCN-2013), Bangalore, India, August 2013, Elsevier Science and Technology, Vol. 3, 2013, pp. 233-242.
7. Preetha Theresa Joy and K. Poulouse Jacob, "A Coordinated Cache Data Placement Scheme for Mobile Ad hoc Networks", Fifth International Conference on Advanced Computing, Chennai, India, Dec 2013.
8. Preetha Theresa Joy and K. Poulouse Jacob, "A Virtual Backbone Based Approach for Cooperative Caching in Mobile Ad hoc Networks", 16th IEEE International Conference on Advanced Communication Technology, Pyeongchang, Korea (South), Feb 2014.
9. Aggi George and Preetha Theresa Joy," Indian Sign Language Recognition Using RootSIFT, International Conference on "Signal Processing & Advanced Communication - SPAAC'16

Courses Conducted/Organized

1. AICTE-ATAL Sponsored Five Day Workshop on Blockchain, at College of Engineering Cherthala, 14/10/19 to 18/10/19.
2. Research Colloquium on "Intelligent Systems and Computing", sponsored by TEQIP II, 27/3/17.
3. TEQIP sponsored FDP on "Internet of Things", at College of Engineering Cherthala, 26/10/16 to 28/10/16.
4. FDP on Emerging Network Technologies and Linux Administration, at Model Engineering College, 10/12/2007 to 22/12/2007.

Other Activities and Responsibilities

Head of the Department, Dept. of Computer Engineering, CE Cherthala(2016-Present), College of Engineering, Cherthala

Head of the Department, Dept. of Computer Engineering, Model Engineering College, Thrikkakara 2007- 2010 and 2014-2016.

Chairman M.Tech Valuation camp, Ernakulam Cluster, (2015-2016)

Member, BOG of College of Engineering Cherthala.

Professional Membership

ISTE, ACM

Personal data

Date of birth : 4 May 1974
Sex : Female
Marital status : Married
Languages known : English, Hindi, Malayalam
Address for correspondence : 4 A 1 Star Park, Vyttila P.O., Ernakulam, Kochi- 682 019, Kerala.