Mrs. Sittalatchoumy

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Present Position

Assistant Professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai from December-2009.

Present Additional Responsibility

➢ Student Counsellor, , Anna University, Chennai.

Previous Positions

➢ Lecturer, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during December-2009 and June-2010.

Previous Additional Responsibility

➢ , , Anna University, Chennai.

➢ , , Anna University, Chennai.

Other Employment

➢ Assistant Professor, Easwari Engineering College, Chennai for 13 years.

Degree

❖ M.E. in ELECTRONICS AND COMMUNICATION ENGG , SRM Engineering College, Anna University (2002 - 2004).

❖ B.Tech. in ELECTRONICS AND COMMUNICATION ENGG , Pondicherry Engineering College, Pondicherry University (1994 - 1997).

Research Degree

❖ Ph.D. in Wireless Sensor Network from Faculty of Information and Communication Engineering, Anna University, Anna University (2009 - 2017).
Title: Energy Efficient Routing and MAC Protocol for Wireless Sensor Networks .

Area of Specialisation

- Wireless Sensor Networks, Communication Networks, Microcontroller, Linear I

Membership in Professional Organization

- ISTE

Research Guidance

Number of M.E./ M.Tech. Projects : 8
Guided
Number of M.E./ M.Tech. Projects : 2
Guiding

Papers Published in Journals

Research Papers Published in International Journals : 7
Research Papers Published in National Journals : 0

1. Kovendan AKP, Sheeja Mathews, R. Sittalatchoumy, " Structural Health Monitoring of Launch Vehicles using optical Fiber with Fiber Bragg Grating", International Journal of Systems, Algorithms and Applications, Vol. 4, Issue 13, pp. 115 - 117 (2013).

2. R. Sittalatchoumy, L. Sivakumar, "Application of Energy Efficient Algorithm- A Case Study", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2, pp. 4084 -4091 (2013).

3. R. Sittalatchoumy, L. Sivakumar, "Performance Enhancement of Energy Efficient Protocols for Application in WSN", Journal of Theoretical and Applied Information Technology, Vol. 60, pp. 112 -118 (2014).

4. R Sittalatchoumy, Dr. L. Sivakumar, "Determination of power Consumption of an Embedded System", International Journal of Applied Engineering Research, published by IJAER. Vol. 10, Issue 17, pp. 38459-38462 (2015).

5. R.Sittalatchoumy, R. Kanthavel & R. Seetharaman, "Power Cluster: An Efficient clustering MAC Protocol for RF rechargeable Wireless Sensor Network", Australian Journal of Basic and Applied Sciences, pp. 619-624 (2016).

6. R.Sittalatchoumy, R. Seetharaman, "An Innovative Low Cost EM Pollution Measurement System", Circuits and Systems, published by Scientific Research publications. Issue 7, pp. 2035-2045 (2016).

7. R Sittalatchoumy, Dr. Kanthavel, Dr. Seetharaman, "Efficient Sensor Node determination using simulation tools", Circuits and Systems, published by AENSI. Vol. 7, Issue 17, pp. 4237-4247 (2016).

Papers Presented in Programmes

Research Papers Presented in International Programmes   : 2
Research Papers Presented in National Programmes   : 0

1. R. Sittalatchoumy, Dr. L. Sivakumar, "Efficient Sensor Node determination using Proteus" presented in a International level conference on International Conference on Contemporary Computing and Informatics, organised by Sri Jayachamarajendra College of Engineering, Mysure, India from 27-Nov-2014 to 29-Nov-2014.

2. "Power Cluster An Efficient Clustering MAC Protocol for RF Rechargeable Wireless Sensor Networks" presented in a International level conference on International Conference on Researches in Science, Management and Engineering, organised by International organisation of Scientific research and Development, India from 18-Feb-2016 to 19-Feb-2016.

Programme Attended

1. Participated in a National level conference on "Sewage Gas Monitoring using Wireless Sensor Networks" organized by Adhiparasakthi Engineering College, Melmaruvathur, India from 31-Dec-1969 to 31-Dec-1969.

2. Participated in a National level conference on "Storm Drain Pipes Radio wave Propagation in Multipath fading effect" organized by R.V.College of Engineering, Bangalore, India from 31-Dec-1969 to 31-Dec-1969.

3. Participated in a National level workshop on "Two weeks Workshop on DIGITAL SIGNAL PROCESSING" organized by Easwari Engineering College, India from 07-Feb-2002 to 31-Dec-1969.

4. Participated in a National level workshop on "AICTE Sponsored Workshop on VLSI DESIGN IMPLEMENTATION AND APPLICATION" , India from 11-Jun-2003 to 24-Jun-2003.

5. Participated in a National level workshop on "EC440 F Lab" , India from 14-Jun-2005 to 17-Jun-2005.

6. Participated in a National level workshop on "Real ime Implementation of image/signal processing algorithms" , India from 24-Nov-2008 to 05-Dec-2008.

7. Participated in a National level workshop on "Intelligent control in electrical appliances" organized by Easwari Engineering College, India from 26-May-2009 to 09-Jun-2009.

8. Participated in a National level workshop on " AICTE sponsored National Level Staff Development Programme on EMBEDDED NETWORKING" , India from 30-Nov-2009 to 12-Dec-2009.

9. Participated in a National level workshop on "Faculty Development Training Programme on Transmission Lines and Waveguides" organized by ECE, Anna University, India from 24-May-2010 to 30-May-2010.

10. Participated in a International level workshop on "ISTE Workshop on DATABASE MANAGEMENT SYSTEMS" organized by IIT, Bombay, India from 13-Dec-2010 to 23-Dec-2010.

11. Attended a National level Short Course on "AICTE-QIP sponsored short-term course on Recent Trends in Computer Networks" organized by Ramanujan Computing Centre, Anna University, India from 18-Apr-2011 to 30-Apr-2011.

12. Participated in a International level workshop on "Recent Trends in Wireless Sensor Networks" organized by ECE, MIT, Anna University, India from 28-Nov-2011 to 29-Nov-2011.

13. Attended a National level Short Course on "AICTE Staff Development Programme on Fundamental of Nanoscience and Technology" organized by Crystal Growth Centre, Anna University, India from 07-Dec-2011 to 21-Dec-2011.

14. Participated in a International level workshop on "ISTE Workshop on INTRODUCTION TO RESEARCH METHODOLOGIES" organized by IIT, Bombay, India from 25-Jun-2012 to 04-Jul-2012.

15. Participated in a National level workshop on "4G Wireless Technology" organized by ECE, MIT, Anna University, India from 20-Feb-2014 to 21-Feb-2014.

16. Participated in a National level workshop on "WBAN-Sensing and Signal Processing Challenges" organized by ECE, Anna University, India from 23-Mar-2015 to 24-Mar-2015.

17. Participated in a National level workshop on "Recent Research Techniques in Next generation Wireless Technologies" organized by ECE, Anna University, India from 21-Aug-2015 to 22-Aug-2015.

18. Participated in a National level workshop on "Change Management and capacity building to improve Quality of service" organized by Anna University, India from 23-Feb-2016 to 31-Dec-1969.

19. Participated in a National level workshop on "Global Initiative of Academic Networks" organized by ECE, Anna University, India from 08-Aug-2016 to 12-Aug-2016.

20. Participated in a National level workshop on "Field Programmable Analog Array" organized by ECE, Anna University, India from 10-Mar-2017 to 11-Mar-2017.

21. Participated in a National level workshop on "EC6602- Antenna and Wave Propagation" organized by ECE, Anna University, India from 27-Nov-2017 to 03-Dec-2017.

22. Participated in a International level workshop on "Faculty development program on Foundation program in ICT for Education" organized by IIT, Bombay, India from 08-Mar-2018 to 12-Apr-2018.

23. Participated in a National level workshop on "Two-Week Faculty Development Training Program on Induction Program for Students" organized by ECE, Anna University, India from 18-Jun-2018 to 29-Jun-2018.

Invited Lectures

1. Delivered a Lecture on "Digital Principles and System Design" in B.E., Computer Science Engineering organized by DMI College of Engineering, Chennai (20-Jul-2018).