



Name : S.DEVAPRIYA  
Designation : Associate professor  
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## Qualification

| S.No. | Degree   | University                  | Branch                                    | Month & Year of Completion |
|-------|----------|-----------------------------|---|----------------------------|
| 1.    | (Ph.D.). | Anna University,<br>Chennai | Information and Communication Engineering | pursuing                   |
| 2.    | M.Tech   | SASTRA University           | Embedded Systems                          | 2005                       |
| 3.    | B.E.     | Madras university           | ECE                                       | 1994                       |

## Experience

| Name of the College / Industrial              | Designation             | Date of Joining | Date of Relieving | Experience |          |           |
|---|-------------------------|-----------------|-------------------|------------|----------|-----------|
|   |                         |                 |                   | Years      | Months   | Days      |
| Jayaram College Of Engineering And Technology | Associate Professor     | 01.09.11        | -                 | 7          | 4        | 22        |
| Jayaram College of Engg and Tech              | Assistant Professor/HOD | 25.09.08        | 30.08.11          | 2          | 11       | 0         |
| Jayaram College of Engg and Tech              | Senior Lecturer         | 25.10.05        | 24.09.08          | 2          | 11       | 0         |
| Jayaram College of Engg and Tech              | Lecturer                | 03.01.01        | 24.10.05          | 4          | 9        | 21        |
| CVL   | Consultant Engineer     | 01.09.98        | 30.12.2000        | 2          | 3        | 0         |
| <b>Total Experience</b>                       |                         |                 |                   | <b>20</b>  | <b>3</b> | <b>13</b> |

## Publications

### INTERNATIONAL JOURNAL:

| Journal Name  | Title of the Paper   | Year          | ISSN No.    | Volume, Issue |
|---|--|---------------|-------------|---------------|
| International Conference on engineering innovations and solutions (ICEIS)                     | Design of power divider with filter using dielectric resonator                                   | April 2016    |             |               |
| International Conference on Electrical electronics information and computational applications | Design of compact power divider based on microstrip patch antenna                                | March 2016    |             |               |
| IJARTET - International Journal of Advanced Research Trends in Engineering & Technology.      | Asynchronous distributed Data collection (ADDC) algorithm with fairness consideration for CRNs   | March 2015    | 2394-3777   | 2,24          |
| IJERT - International Journal of Advanced Research Trends in Engineering and Technology       | Efficient Up link transmission in CR OFDMA network under fading channel using pricing techniques | 2015          |             | -             |
| IJETT – International Journal of Engineering Trends and Technology                            | Designing a Vedic multiplier for OFDM synchronization using FPGA                                 | May 2014      | 2231-5381   | 11 , 01       |
| IJERT - International Journal of Engineering Research and Technology                          | Static and Dynamic Channel Assignment for Interference Analysis in Wireless Networks.            | 2014          | 2278-0181   | 3,03          |
| JCA - Journal of Computer Applications  | Channel Allocation For Interference Analysis in Wireless Networks.                               | 2014          | 0974-1925   |               |
| IJCTN – International Journal of Computational and Theoretical Nanoscience                    | High energy and spectrum efficiency analysis for CRAHN based spectrum agglomeration              | December 2017 | 5209 - 5214 |               |

## Conferences

### INTERNATIONAL CONFERENCE PUBLISHED DETAILS:

|   |  |               |
|---|--|---------------|
| International Conference on Newer Engineering Concepts and Technology                         | Optimization of Sensing time and power control for spectrum sensing in CRN                               | March 2018    |
| International Conference on engineering innovations and solutions (ICEIS)                     | Design of power divider with filter using dielectric resonator   | 22-April 2016 |
| International Conference on Electrical electronics information and computational applications | Design of compact power divider based on microstrip patch antenna  | March 2016    |
| IJARTET - International Conference of Advanced Research Trends in Engineering and Technology  | Asynchronous distributed Data collection (ADDC) algorithm with fairness consideration for CRNs           | March 2015    |
| IJARTET - International Conference of Advanced Research Trends in Engineering and Technology  | Energy Efficient Up link transmission in CR OFDMA network under fading channel using pricing techniques  | March 2015    |
| International Conference on science Engineering and Management                                | Energy Detection Based Adaptive Spectrum Sensing in CR networks  | 2013-14       |
| IJERT - International Conference of Engineering Research & Technology.                        | Static & Dynamic Channel Assignment for Interference Analysis in Wireless Mesh Networks                  | 2014          |
| JCA - Journal of Computer Applications  | Channel Allocation for Interference analysis in wireless networks  | 2014          |
| IJETT – International Conference of Engineering Trends and Technology                         | Designing a Vedic multiplier for OFDM synchronization using FPGA   | May 2014      |
| International conference on computing techniques, embedded system and drives                  | Energy efficient routine for wireless co-operative clustering network using WLAN and Bluetooth interface | 2012-13       |
| International conference on computing techniques, embedded system and drives                  | Localized Mobility Prediction for Underwater sensor Networks using Divided sensitive ranges              | 2012-13       |
| International conference on computing techniques, embedded system and drives                  | Particle filter tracking to an image   | 2012-13       |
| International conference on computing techniques, embedded system and drives                  | Analyzing and rejoining the path in MANETs with route handoff through AOMDV                              | 2012-13       |

|  |   |         |
|--|---|---------|
| International conference on computing techniques, embedded system and drives | Improved QoS-Aware routing and admission control for multirate MANETs | 2012-13 |
| International conference on recent advancement in engineering and technology | Implementing cognitive radio network without spectrum sensing         | 2011-12 |
| International conference on advanced computer technology                     | Contour let based image watermarking                                  | 2010-11 |

### **NATIONAL CONFERENCE ATTENDED DETAILS:**

1. Lossless data compression at DSEC Perambalur on Feb 2007.
2. Performance analysis of adaptive modulation in TDD-CDMA and OFDM CDMA systems at Kings College of engineering on 6<sup>th</sup> and 7<sup>th</sup> March 2008
3. FPGA design of low power network-on chip for high performance using VLSI technology on 29<sup>th</sup> March 2008
4. Cluster based data gathering algorithm for sensor network at Kings College of engineering on March 21<sup>st</sup> 2009.
5. “Improving the performance of overhead transmission line using Zigbee and GSM” at Kings College of Engineering on 24<sup>th</sup> March 2009.
6. PCB based spatially adaptive denoising of CFA images for single sensor digital camera on March 31<sup>st</sup> 2010 at K.L.N College of engineering.
7. “Resolution compression of encrypted gray scale image” on 05-03-2011 at Pavendar Bharathidasan College of Engineering & Technology on 5<sup>th</sup> March 2011.
8. ”Quasi- Active power factor correction” at Maha college of Engineering on 31<sup>st</sup> March 2011.
9. “Energy efficient routing for wireless co-operative clustering networks using WLAN and Bluetooth interfaces” on 7 – 9<sup>th</sup> March 2012 at PPG Institute of Technology, Coimbatore.
10. “Performance analysis of OFDM-based cognitive radio without spectrum sensing” at NCET proceedings on 27<sup>th</sup> Feb. 2013.
11. “Implementation of random subcarrier allocation algorithm in OFDM-based cognitive radio without spectrum sensing” at NCCTIRD’13.

## **Workshop / FDP Attended**

### **FDP ATTENDED DETAILS:**

1. Biomedical engineering at SSN engineering college, Chennai during 22 to 27 Dec 2008.
2. Mobile computing at MIT Chrome pet, Chennai during 19 to 25 May 2008.
3. Time frequency signal analysis at IIT Chennai, organized by IEEE madras section during 7 to 12 July 2009.
4. Next generation wireless technologies, long term evaluation at MIT campus organized by IEEE Madras section and dept of electronics engineering during Dec 2009.
5. Short Term Training Program on “Self-Awareness and Higher Goals in Education” at Indian Institute of Technology, Madras from 21-25 June, 2011.
6. Centre for faculty development training programme on Digital signal processing at computer centre MIT campus, Anna University From 1-7 DECEMBER 2012.
7. AICTE Sponsored Staff Development Programme on “New and Emerging trends in Image & Video Processing” at Jayaram College of Engineering & Technology from 13-24 May 2013.
8. Centre for faculty development training programme on Transmission lines and waveguides at Jayaram College of engineering and technology from 16 to 22 JUNE 2014.
9. QIP, AICTE, Govt.of India Sponsored an short term course on Advancements in wireless technologies-4G &beyond, organized by CIT, Coimbatore from 1 to 7 DEC 2014.
10. TEQIP II Sponsored Faculty development program on Digital communication from 19 to 25, June 2015.
11. AICTE Sponsored Faculty Development Program on Array Signal Processing in Wireless communication organized by Thiyagaraja college of Engineering Madurai.

### **WORKSHOPS/SEMINARS ATTENDED DETAILS:**

1. Three days Workshop on 4G and SDR Conducted by the Dept of ECE,NIT,Trichy on Feb'2016.
2. “Hands on workshop on RF, SDR fundamental and programming” organized by sri Ramakrishna Engineering College and national instruments at Coimbatore on 20 and 21 march 2014.
3. Two days’ workshop on Cognitive SDR conducted by AMITEC Electronics New Delhi at SSN Engineering college from10/10/2014to11/10/2014.
4. Two days Workshop On Research Challenges in RF and Wireless Communication at Indian Institute Of Information Technology, Design & Manufacturing jointly Organized by CSIR & Rohde and Schwarz on June 21-22,2013
5. Two- days ISTE Workshop on Writing Effective Conference Papers Conducted by Indian Institute of Technology Bombay through ICT (MHRD) on 18-19 Feb, 2012.

6. Participated in the VSNL sponsored panel discussion on Green Communications held on 10.10.2011 organized by ECE, Pondicherry Engineering College.
7. Participated in the Workshop Conducted by the Dept of ECE,NIT,Trichy on “Reconfigurable Technology and its application” On 17<sup>th</sup> NOV,2011
8. Participated in the CSIR Sponsored Workshop on “Wireless Sensor Networks Simulation Using NS2 & Qualnet” organized by Dept of Information Technology, Mepco Schlenk Engg College, and Sivakasi during Dec 5-6, 2011.
9. Attended the one day National Level Workshop on “MATLAB for Engg & Research” on 12<sup>th</sup> DEC, 2011 at Gnanamani College of Tech, Namakkal.
10. Attended the “One Day Workshop On Practical Orientation towards Innovation in Embedded and VLSI Technologies” Conducted by VI-Microsystems, Chennai & SEC on 30<sup>th</sup> APRIL, 2010.
11. Participated one day Workshop on Introduction to NBA-New Norms and Forms held on 1<sup>st</sup> oct,2009 at Trichy
12. Next Generation Wireless Technologies-Long Term Evolution during 4-5, Dec 2009 at MIT, Anna University, Chennai.
13. Workshop at VI Mantra on 2009.An annual Technical Paper Contest For Students & Research Scholars Conducted by National Instruments
14. “Microwave IC components design, layout & fabrication” at NIT, Trichy on 07/10/06.
15. “Wireless Communication” at JCET, on 11/12/06.
16. “LATEX, one day international seminar at JCET, 06/12/06.
17. “Cellular Mobile Communication” at Shri Angalamman college of Engg and Tech at 18/03/06.
18. “Embedded system development using ARM controller” at Anna University at 09/04/06.
19. “Mobile computing and communication” at B.N.M institute of technology in association with IISC Bangalore on 10/04/2004.
20. “NSSOC” held at SASTRA University Thanjavur during at 27-29, 2003.

**Workshop / FDP/ Conference Organized : NIL**

**BOOKS PUBLISHED:**

1. Mobile and Wireless Communication – Sri Krishna Hi-tech publishing company pvt.Ltd.  
ISBN: 978-93-80659-80-0.
2. Optical Communication and Networks - Sri Krishna Hi-tech publishing company pvt.Ltd. ISBN: 978-93-80659-82-4.
3. Digital Communication Techniques (Regulation 2008 AUT) - Sri Krishna Hi-tech publishing company Pvt.Ltd. ISBN: 978-93-80659-85-5.
4. Digital communication (Regulation 2008 AUC) - Sri Krishna Hi-tech publishing company pvt.Ltd.

ISBN: 978-93-80659-90-9.

5. Digital communication (Regulation 2013 AUC) - Sri Krishna Hi-tech publishing company pvt.Ltd.

ISBN: 978-93-80659-90-10.

6. Wireless communication- Sri Krishna Hi-tech publishing company pvt.Ltd .going to be released on June 2015 for IT department.

**Research :**

- Pursuing Ph.D.,- Faculty of I & C Engineering at Anna University, Chennai under the Guidance of **Dr. N. KANNAN, PRINCIPAL**, JAYARAM COLLEGE OF ENGINEERING & TECHNOLOGY, Tiruchirappalli.

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**Externally Funded Project : NIL**

**Awards and Recognitions :**

- ❖ Received cash award for 100 percentage result in Micro Processors in the university theory examination.
- ❖ Received cash award for 100 percentage result in Micro Wave Engineering in the university theory examination
- ❖ Received cash award for 95 percentage result in Power Electronics in the university theory examination
- ❖ Received cash award for 96 percentage result in Optical Communication in the university theory examination
- ❖ Received cash award and certificate for 94 percentage result in Digital signal processing in the university theory examination.
- ❖ Received cash award and certificate for 95 percentage result in Electromagnetic field in the university theory examination.
- ❖ Received cash award and certificate for 97.8 percentage result in Mobile Communication in the university theory examination.
- ❖ Received cash award and certificate for 90 percentage result in embedded systems in the university theory examination.

## **IF any Other:**

### **RESOURCE PERSON TO OTHER COLLEGES:**

1. Had been gone as a Chief Guest for Symposium (paper presentation) in the Dept.of ECE at Srinivasan polytechnic in the year 2009.
2. Had been gone as a Chief Guest for Symposium (paper presentation) in the Dept.of ECE at SACET in the year 2010.
3. Had been gone as a Chief Guest for Symposium (paper presentation) in the Dept.of ECE at NAAVAALAR NEDUNCHEZHIAN COLLEGE OF ENGINEERING in the year 2011.
4. Delivered guest lecture on Mobile communication sponsored by DRDO at NAAVAALAR NEDUNCHEZHIAN COLLEGE OF ENGINEERING in the year 2012.
5. Delivered guest lecture on Wireless Communication Sponsored Programme at SACET in the year 2013.
6. Delivered guest lecture on Wireless Sensor Network & Wireless Networks in the Dept of ECE at NAAVAALAR NEDUNCHEZHIAN COLLEGE OF ENGINEERING in the year 2015.

### **INVITED LECTURE BY OTHER INDUSTRY:**

- Delivered Guest Lecture on WAP at BHEL Trichy in the year 2002.