



# SRM Valliammai Engineering College


(An Autonomous Institution)

SRM Nagar, Kattankulathur-603203, Chengalpet District, Tamil Nadu.

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## Department of Electronics and Communication Engineering

### Personal Details

|                                    |  |   |
|------------------------------------|--|---|
| <b>Name :</b>                      | Mr.R.DHANANJEYAN   |  |
| <b>Designation :</b>               | Assistant Professor (O.G)  |   |
| <b>Educational Qualification :</b> | B.E., M.E.,(Ph.D)  |   |
| <b>Experience:</b>                 | 12 Years 4 Months  |   |
| <b>Area of Specialization :</b>    | Communication Systems  |   |
| <b>Date of Birth :</b>             | 09/07/1988   |   |
| <b>Date of Joining :</b>           | 29/06/2016   |   |
| <b>Email ID :</b>                  | <a href="mailto:dhananjeyanr.ece@valliammai.co.in">dhananjeyanr.ece@valliammai.co.in</a> |   |
| <b>Contact Numbers :</b>           | 9952601274   |   |

### Educational Details

| S.No | Degree | Branch/Specialization                            | Institution / University                            | Year     |
|------|--------|--|---|----------|
| 1    | B.E.   | <i>Electronics and Communication Engineering</i> | Raja College of Engineering and Technology, Madurai | 2009     |
| 2    | M.E.   | <i>Communication system</i>                      | Regional centre of Anna University Madurai          | 2013     |
| 3    | Ph.D.  | <i>Electronics and Communication Engineering</i> | Anna University Chennai                             | Pursuing |

### Professional Society Memberships

- Life Member of Computer Society of India - I1505896.
- Life Member of International Association of Engineers - 174131.
- Life Member of Indian Society of Technical Education - LM113602.
- Member of Indian Science Congress Association – A56777

### Publication Details

#### Conferences Publications:

- [1] Presented a paper "Dual-band Beamforming Array Antenna for 5G Wireless Communications" in 2<sup>nd</sup> International conference ICESA'21 held at SRM Valliammai Engineering College, Chennai.
- [2] Presented a paper "MIMO Antenna Array for 5G Smartphone Application" in 2<sup>nd</sup> International conference ICESA'21 held at SRM Valliammai Engineering College, Chennai.
- [3] Presented a paper "Search and Monitoring Operations with the aid of a Robotic Vehicle" in International conference ICLTSET'19 held at Karpagam Institute of Technology, Coimbatore.
- [4] Presented a paper "Global Industrial Process Monitoring using IOT " in International conference ICLTSET'19 held at Karpagam Institute of Technology, Coimbatore.
- [5] Presented a paper "Global Industrial Process Monitoring" in International Conference on Modern Applications in Engineering & Technology – 2017 (IER-MAET'17) held at Ponmari Residency, Ooty.
- [6] Presented a paper "Efficient Majority Logic Fault Detection and Correction using EG-LDPC Codes for Memory Applications" in International conference ISCO'15 held at Karpagam College of Engineering, Coimbatore.
- [7] Presented a paper "A Cluster Based Reliable Routing approach for Network Aggregation in WSN" in National Conference NCUTE'14 held at Theni Kammavar Sangam College of Technology, Theni.

- [8] Presented a paper "Relay node Selection Mechanism for Control Applications using WSN" in International Conference ICIESMS'13 held at Vickram College of Engineering, Madurai.
- [9] Presented a paper "Improving the Lifetime of the Relay node in WSN" in National Conference NCCIT'13 held at Sri Subramanya College of Engineering and Technology, palani.
- [10] Presented a paper "Distributed RF Memos Phase Shifter for Phased Array Antenna applications" in National Conference NCMOC' 12 held at AC college of Engineering and Technology, karaikudi.

#### **Journal Publications:**

- [1] Published a paper "MIMO Antenna Array for 5G Smartphone Application" in i-manager's journal of Electronics Engineering, Volume 10, issue 4, June - August 2020, ISSN: 2230-715X.
- [2] Published a paper "Monitoring of soil characteristics using Cluster based Wireless Sensor networks" in the IJCRT, Volume 8, issue3, March 2020, ISSN:2320-2882.
- [3] Published a paper "Voice Navigation and Live Location tracking for Visually impaired people" in the IJCRT, Volume 8, issue3, March 2020, ISSN:2320-2882.
- [4] Published a paper "Global Industrial Process Monitoring" in the IJARMET, Special issue, March2017, ISBN:978-1-63535-324-2, pages (135-137).
- [5] Published a paper "Efficient Majority Logic Fault Detection and Correction using EG-LDPC Codes for Memory Applications" in IEEE journal on 01-10-2015, Electronic ISBN: 978-1-4799-6480-2.

#### **Research and Development Details**

1. *No. of Research Projects Completed: Nil*
2. *No. of Patents Filed: Nil*
3. *No. of Ph.D candidates guided/guiding:Nil*
4. *No of Conferences Convened:Nil*

#### **Other Particulars**

1. **No. of Books Published:** 01 (Published a book Signals and Systems with ISBN: 978-93-88335-96-6 in Charulatha Publications on May 2019.
2. **Grants fetched:**
  - *As a Remote centre coordinator in NPR college of Engineering and Technology received a grant of Rs.2, 29,780 from IIT Bombay during the year September 2015 for Additional infrastructure set up in the A View classroom for the smooth conduct of the T10kT workshops.*
  - *As a Remote centre coordinator in NPR college of Engineering and Technology received a grant of Rs.66, 630 from IIT kharagpur during the year Jan 2016 for conducting the "Introduction to structural Engineering" workshop.*
3. **Events Organized:**
  - Organized the Webinar on "A brief Introduction to VLSI World" in SRM Valliammai Engineering College on 21-10-20.
  - Organized the Workshop on "Networking Tools" in SRM Valliammai Engineering College on 06-08-19.
  - Organized the National Level Technical Symposium "TARAS-2K18" in Valliammai Engineering College on 29-09-18.
  - Organized the Expert Lecture on "Reconfigurable antennas" in Valliammai Engineering College on 07-09-17.
  - Organized the FDP on "EC6701 – RF & Microwave Engineering" in Valliammai Engineering College on 27-06-17 & 28-06-17.
  - Conducted the two-week ISTE STTP on "Introduction to Structural Engineering" in NPR College of Engineering and Technology organized by IIT, Kharagpur from 30-11-2015 to 09-01-2016.

