



# SRM Valliammai Engineering College


(An Autonomous Institution)

SRM Nagar, Kattankulathur-603203, Kancheepuram District, Tamil Nadu

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## Department of Electronics and Communication Engineering

### Personal Details

<b>Name :</b>	Dr. Komala James		
<b>Designation :</b>	Professor & Head		
<b>Educational Qualification :</b>	B.E., M.E., Ph. D.		
<b>Experience:</b>	27 years 7 months		
<b>Area of Specialization :</b>	Wireless Communication & Networking		
<b>Date of Birth :</b>	27/07/1969		
<b>Email ID :</b>	komalj.ece@valliammai.co.in <a href="mailto:komalajames@rediffmail.com">komalajames@rediffmail.com</a>		
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### Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.	ECE	PSNA College of Engineering & Technology Madurai Kamaraj University	1990
2	M.E.	Applied Electronics	Hindustan College of Engineering, Madras University	2002 Rank Holder
3	Ph.D.	Wireless Communication & Networking	Anna University, Chennai	2015

### Professional Society Memberships

1. Fellow of Institution of Electronics and Telecommunication Engineers (IETE)
2. Life Member of Indian Society of Technical Education (ISTE)
3. Life Member of Computer Society of India (CSI)
4. Professional Member of Institute of Scholars (InSc)
5. Member of International Association of Engineers (IAENG)
6. Member of Indian Science Congress Association (ISCA)

### Publication Details

#### Journals:

1. Aishwarya M , Amirtambika S , Divyadharshini A , Dr. Komala James, "Stewarding and Bridling the Warehouse Atmosphere for the Fruit Quality Maintenance Using IoT" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 , Volume 9, Issue 4, pp. 186 -191 , April 2021

2. Athira P S , Devadharsini B , Dhivya S , Dr. Komala James, "Virtual Brain: Dependable Sensing of EEG Signals for the Actuation of Intelligent Brain Controlled System" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 , Volume 9, Issue 4, pp. 196-202 , April 2021
3. C.Joseph Larsen, M.Kiruba Dhanaselvi, A.R.Maneesha Varsini, A.R.Maneesha Varsini, R.Monisha, Dr.Komala James, "Channel Estimation and Signal Detection for 5G Using Multi-Carrier Communication", International Journal of Innovative Research in Science, Engineering and Technology, 9(3), pp. 30-35, 2020.
4. A.R.kaaviyan, G..kumaravel, M.Ranjith Kumar, Dr.Komala James, "Health Monitoring Of Patient Using Body Area Network", International Journal of Creative Research Thoughts, 8(3) , pp. 997-1002, 2020.
5. B.Pavithra, Komala James, "Heterogeneous Networks in 5G using Joint Path Selection and Rate Allocation Framework", International Journal of Recent Technology and Engineering, vol.9, Issue-1, pp.509-512, 2020.
6. B.Pavithra, Dr.Komala James, "Heterogeneous Networks in 5G using Joint Path Selection and Efficient Self-Organization Protocol", International Journal of Engineering and Advanced Technology, vol.9, Issue-5, pp.1183-1186, 2020.
7. Ajith A, Aruna R, Elackia M, Dr.Komala James Aruna, Dr.Komala James . 'Automatic Septic Tank Cleaning System', International Research Journal of Engineering and Technology, vol.6, no. 3, pp.615-618, 2019.
8. Harini L, Sangeetha R, Bharani S. Dr.Komala James, 'Accident Prevention & Emergency Awareness Using Augmented Reality'. International Research Journal of Engineering and Technology, vol.6, no. 2, pp. 2053-2056, 2019.
9. K.Kalaiselvi , A.S.Kanimozhi , A.Kavitha , R.Loganathan , Komala James, 'Cost Effective Water Management Using IoT', Journal of Innovation in Science and Engineering Research, vol.2, no.1, pp. 97-103, 2018 ,ISSN: 2456-8619.
10. Reshma U.T., Komala James , "Implementation Of Internet Access In MPLS-VPN Technique On ISP", Journal on Wireless Communication Networks, vol.7, no.3, pp 38-45, 2018.
11. M.Swarnalatha, Dr.Komala James 'Enhancement Of autonomous system for inter provider service using multi-protocol label switching' Journal on Wireless Communication Networks, vol.6, no. 2, pp21-27, 2017.

12. Sandhiya R, Dr. Komala James. 'Smart Medical Care System for Elderly People', International Journal of Trend in Research and Development Vol.4(2), pp.407-411, 2017.
13. Christy Mathew Priya, Dr. Komala James, "Video Multicast Over Heterogeneous Wireless Networks", International Journal of Emerging Technology in Computer Science and Electronics , 22(2), 2016.
14. Christy Mathew Priya.W, Komala James, "SVC Multicast Over Heterogeneous Wireless Networks," International Journal of Advanced Engineering and Global Technology, 4(1), pp.1630-1634, January 2016.
15. T.Ponthagam , Dr. Komala James , "Coverage Driven Distance Metric Based Relay Placement Mechanism For Relay Networks", IOSR Journal of Electronics and Communication Engineering , pp 15-19, 2016 , ISSN 2278-2834.
16. Aarthi.H, Komala James, "A Novel Protocol Design in Hybrid Networks of Visible Light Communication and OFDMA Systems," International Journal of Electrical, Computing Engineering and Communication, 1(1), pp.16-21, 2015.
17. K.Komala, P.Indumathi, "Seamless Mobility in 4G Heterogeneous Wireless Networks," Journal of Theoretical and Applied Information Technology, 57 (2), pp.153-157, 2013.
18. Komala Kalyanam, Pushpam Indumathi, "A Simple QoS Scheduler for Mobile Wimax," World Academy of Science, Engineering and Technology, 70, pp.897-900, 2010.

**Conferences:**

1. Kavin S, Mohanakrishnan E, Naveen Kumar R, Jaikrishnan P G, Komala James, Disaster Management Usi Electronics Speed Controlled Unmanned Aerial Vehicle, 6th International Conference on Contemporary Engineering and Technology (ICCET 2018), March 2018.
2. Kalaiselvi K, Kanimozhi A S, Kavitha A, Loganathan R, Komala James, Cost Effective Water Management Using IoT, International Conference on Innovation in Science and Engineering Research (ICISER'18), March 2018.
3. Sandhiya R., Dr. Komala James , "Smart Medical Care System for Elderly People", TEC International Conference on Electrical , Communication and Computing , 2017.
4. N.Mohamed Husain, K.N.Naveen, Dr. Komala James, "Web based automated irrigation system using MQTT protocol", 5th International Conference on Contemporary Engineering, March 2017.

5. Aarthi.H, Komala James, "A Novel Protocol Design in Hybrid Networks of Visible Light Communication and OFDMA Systems," IEEE International conference on Electrical, Computer and Communication Technologies, pp.1337-1341, 2015.
6. K.Komala, P.Indumathi,"Research Challenges in The Mobility Aspects Of the 4G Heterogeneous Wireless Networks," Symposium On "Recent Advances in Telecommunication Technologies, pp.46-49, 2013..
7. A novel protocol design in hybrid networks of visible light communication and OFDMA Systems," International conference on Electrical, Computer and Communication Technologies, pp.1337-1341, 2015.

### 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: 8

### Other Particulars

1. No. of Books Published: nil
2. No. of STTP/FDP coordinated:18
- 3.Others:
  1. As **Reviewer** for International Conference on Applied Mathematics, Modeling And Simulation in Engineering (AMSE) 2021.
  2. Delivered a session on 16.11.2020 in the title '**Introduction to IoT**' in AICTE Sponsored Six Days Online Short Term Training Programme (STTP) On "Internet of Things and Its Applications", conducted by the Department of Information Technology,, SRMVEC.
  3. Received an amount of **Rs.12 Lakhs as MODROBS Grant from AICTE** for Modernization of VLSI Laboratory in the year 2020.
  4. As a **Chief Coordinator** conducted an essay competition on behalf of "The Institution of Engineers (India) (IEI) Kalpakkam Local Center (IEI-KLC)" in October 2020.
  5. Institute of Scholars awarded "**HOD of the year 2019**" in the month of July 2019.
  6. **Best IETE Student Forum Award** was received consecutively for two years on the basis of Membership Strength & activities of ISF co-ordinated for the year 2018-19 and 2017-18.
  7. Staffordshire University, UK and Education Matters awarded "**Teaching Awards in Engineering**" in July 2019 for the best performance of ECE students in the University examination.

8. Awarded as **Best Professor in Communication Engineering** at 11<sup>th</sup> Innovative Education Leadership Award in the year 2019 by DNA and STARS of the Industry Group.
9. Awarded as **100 Most Dedicated Professors** by World Education Congress in the year 2018.
10. Submitted project proposal on *Margdharshan Scheme* for Rs.50 Lakhs and presented the project at AICTE Head Quarters, New Delhi .
11. Submitted a project proposal to **DST- NRDMS** as Principal Investigator on Analysis and Assessment of Smartainability of Cities: An Integrated Framework.
12. The **Topper Award** with Gold Elite certification on the 'Educational leadership' on **NPTEL** Examinations in the year 2018.
13. **Hoisted National Flag** on 15.08.2018 in the Valliammai Engineering College as a mark of achieving top results in ECE department.
  
14. **Chaired a technical session** in "Two days International Conference on Informatics, Robotics, Construction & Communication. ICIRCC'18" conducted on 7th & 8th April 2018..
15. Delivered a lecture on '**Optical Networks**' on a Anna University sponsored seven day Faculty development programme on 'Optical Communication and Networks' in other Institution in the.academic year 2017-18.
16. Received Grant of **Rs.1,50,000/- from AICTE under Seminar Grant Scheme** for the National Conference conducted on 7<sup>th</sup> and 8<sup>th</sup> March 2014.
17. **Advisor** in the Staff Selection Commission Interview boards.
18. Completed **8 NBA accreditations**, one **NAAC** and various **ISO audits**.
19. **Reviewer** for National /International Conferences and Journals.
20. Delivered **motivational talk** in the Orientation Programme.
21. **Judge** for "Pattimandrams" conducted by Tamil Mandram