

## St. Joseph's Institute of Technology

St. Joseph's Group of Institutions OMR, Chennai – 119

**Department of Electronics and Communication Engineering** 

(Accredited by NBA)

## **FACULTY DETAILS**

Staff Name:	Dr. R. KANGEYAN
Designation:	ASSISTANT PROFESSOR
Date of Birth:	11.04.1984
Educational Qualification:	M.E, Ph.D.
Area of Interest:	mm-Wave Antenna, IoMT and 5G/6G -Wireless Communication.
Years of Experience:	13.8 Years
Area of Research:	Biomedical Antenna Design
<b>Guideship Ref. Number</b>	4590019
Publication Details	Kangeyan, R. and Karthikeyan, M. 'Circularly polarized implantable MIMO antenna for skin brain and heart implantation with wide axial ratio bandwidth', International Journal of Commun Systems. 2024; e5778. https://doi:10.1002/dac.5778.  Kangeyan, R. and Karthikeyan, M. 'Implantable dual band semi-circular slotted patch with DGS antenna for biotelemetry applications', Microwave and Optical Technology Letters 65(1), 225-230. https://doi.org/10.1002/mop.33462.  Kangeyan, R. and Karthikeyan, M. 'A novel wideband fractal-shaped MIMO antenna for brain and skin implantable biomedical applications', International Journal of Communication Systems, p.e5509. https://doi.org/10.1002/dac.5509.  Kangeyan, R. and Karthikeyan, M. 'Miniaturized meander-line dual-band implantable antenna for biotelemetry applications', ETRI Journal. https://doi.org/10.4218/etrij.2023-0050.  SakthiSudhan.K, Kangeyan. R, Archana. M " On Diagnosis of cancerous organ and development of e-Health care system through twitter social network". International journals of intelligence and sustainable computing IJISC, ISSN No 2517-7648.  Kangeyan, R. Evolution of open spectrum sharing technology-A survey in the International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-2, Issue 4.

Ramesh, S., & Kangeyan, R. Novel Algorithm For 8 Point DCT & IDCT Implementation Based on Cordie. *Asian Journal of Computer Science and Technology (AJCST)*, 2(1), 24-28.

Mohan, Jishnu, R. Kishore, and R. Kangeyan. "Intelligent Automotive Diagnostics and Driver Safety Enhancement System Utilizing CAN Bus Protocol and Integrated Sensor Analytics." 2025 *Third International Conference on Augmented Intelligence and Sustainable Systems (ICAISS). IEEE*, 2025.

### **Patent Contribution**

# FDP & Workshop Attended Details:

#### • Granted

- Dr. Karthikeyan M, **Kangeyan R**, Dr. Bahubali, Implantable Array antenna. **IPR No:417920-001**.
- Dr. Karthikeyan M, **Kangeyan R**, Dual-band Implantable antenna. **IPR No:408767-001.**

#### Published

Kumaravel. S, Dr. Karthikeyan M, **Kangeyan R**, Implantable Array antenna for human skin implantable application. **IPR No:417920-001**.

- 1. **Dr. R. Kangeyan**, AICTE-ATAL Sponsored One Week Online FDP on "Federated Quantum secured Next Gen at Manipal Academy of Higher Education (MAHE) University, Bangalore.
- 2. **Dr. R. Kangeyan**, "Industrial Applications of Embedded Systems and IoT", Organized by Department of Electronics and Communication Department, Rajalakshmi Engineering College in association with IIC, RECand IEEE Communication society.
- 3. **Dr. R. Kangeyan** "Full Stack Data Science Generative AI", Organized by Department of Computer Science & Engineering (Data Science), Madanapalle Institute of Technology and Science.
- Dr.R. Kangeyan "Strategies to Enhance Industry-Academia Linkages" approved by Indian Society for Technical Education (ISTE), New Delhi organized by Department of Civil Engineering, RMD SINHGAD SCHOOL OF ENGINEERING (RMDSSOE), PUNE.
- Dr. R. Kangeyan "Future Ready Antenna Design- Cutting Edge Solutions for 5G mm- Wave and Beyond", Organized by Department of Communication Engineering, School of Electronics Engineering, SENSE, Vellore Institute of Technology, Vellore 632 014.
- 6. **Dr. R. Kangeyan**, AICTE-ATAL Sponsored One Week Online FDP on "3D Printing for Biomedical Applications: Shaping the Future of Healthcare in Industry 4.0" (3DPBA-2025).
- **7. Dr. R. Kangeyan,** AICTE-ATAL Sponsored One Week Online FDP on "Advanced Semiconductor Devices and AI Chips Research Opportunities and Challenges" at Sri Venkateswara College of Engineering.

#### ISTE, IAENG

## Professional Membership