

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 Years
Area of Research:	Biomedical Antenna Design
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. 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 dualband 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.

• 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.**

Patent Contribution

Published

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

1. **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.

- 2. **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.
- 4. **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.
- 5. **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).
- 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.

Professional Membership:

ISTE, IAENG

FDP & Workshop Attended Details: