



SRM Valliammai Engineering College


(An Autonomous Institution)

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Department of Electronics and Communication Engineering

Personal Details

Name :	C.Kavitha	
Designation :	Assistant Professor (Ordinary Grade)	
Educational Qualification :	M.E.,(Ph.D.)	
Experience:	Nil	
Area of Specialization :	Optical Communication	
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Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.	Electronics and Communication Engineering	Scad College of Engineering and Technology	2011
2	M.E.	Communication Systems	Sri Shakthi Institute of Technology	2013
3	Ph.D.	Optical Communication	SRM Institute of Science and Technology	Pursuing

Publication Details

Journals:

1. C. Kavitha and S. Sangeetha, "Automatic Multimodality Brain Tumour Detection," International Journal of Emerging Technology and Advanced Engineering, vol.3, Issue 3, ISSN 2250-2459, March 2013.
2. C. Kavitha and C.T. Manimegalai, "A Photonic Based Multiband Signal Generation, Transmission and processing for 5G ROF front-haul", Journal of Physics: Conference Series, vol. 1964, no. 6, p. 062040, 2021.
3. C. Kavitha, C.T. Manimegalai, K. Kalimuthu, and S. Gauni, "A novel bidirectional RoF link with compensated SBS and RB for 16-QAM OFDM based mm-wave downlink and uplink vector signal generation and transmission on a single fiber", Optical Fiber Technology, vol. 66, p. 102671, 2021.
4. C. Manimegalai, K. Kalimuthu, S. Gauni, C. Kavitha, and V. Iyengar, "An Experiment for Remote optical powering in hazardous/disaster environments using Power over Double clad fiber," Journal of Optics, 2021.
5. C. Kavitha and C.T. Manimegalai, "A Bidirectional RoF System for the Multi-Band Signal with Mitigation of the Nonlinear Effects", IETE Journal of Research, 2022.

Conferences:

1. C.Kavitha and S.Sangeetha, "Automatic Multimodality Brain Tumour Detection", International Conference of Innovative Research in Engineering and Technology ,2013.
2. C.Kavitha and C.T.Manimegalai, "A photonic based multi-band signal generation, transmission, and processing for 5G RoF front-haul", International Conference of Electronics, Photonics, and Smart Technologies, 2020.
3. C.Kavitha and C.T.Manimegalai, "A novel bidirectional multi-band OFDM based RoF architecture for simultaneous transmission of downlink and uplink signal over a single fiber", International Conference on Signal Processing and Integrated Networks,2021.

Other Particulars

1. *No. of Books Published: Nil*
2. *No. of STTP/FDP coordinated: Nil*