



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. P. G. V. RAMESH
Designation:	Associate Professor
Date of Birth:	18-07-1975
Educational Qualification:	Ph.D
Area of Interest:	Optical Networks, Electro Magnetic Interference / Compatibility Optical -Wireless Integration
Years of Experience:	20 Years
Area of Research:	Optical Burst Switching, Elastic Optical Networks
No. of Students Project Guided	30
Supervisor	Anna University, Chennai. No. of Candidates: 03, 01-Thesis Submitted, 02- Course Work Completed.
Publications Details:	Journal Publications: <ul style="list-style-type: none">• Analysis of EDFA Parameters Amenable for Ultra High Bit rate Based DWDM System, International Journal of Innovative Technology and Exploring Engineering, 96433-442, 2020, Blue Eyes Intelligence Engineering & Sciences Publication.• Design of miniaturized super wideband printed monopole antenna operating from 0.7 to 18.5 GHz, International Journal Electronics and Communications (AEU), Elsevier, 123 (2020), 153273.• Design of Compact Highpass Filter for 5G mm-wave Applications Using Complementary Split Ring Resonator, Frequenz, (74), Issue 5-6, Pg.177-181, 2020, De Gruyter.• Design of Compact patch Antenna with Enhanced Gain and Bandwidth for 5G mm-Wave Applications, IET Microwaves, Antennas & Propagation, 2020, IET Digital Library• Miniaturized low-pass filter design with wide stopband using complementary split-ring resonator, Microwave Optical Technology Letters, (Wiley) 2019, 43983 2019, Wiley online Library.

- Electromagnetic interference suppression in stacked patch antenna using complementary split ring resonator, *Microwave Optical Technology Letters*, (Wiley), 44013, 2019, Wiley online Library.
- Secure and Efficient Handover Root Key Management in 4G LTE/SAE Networks, *International Journal of Applied Engineering Research*, 1065364-5367, 2015, RIP Publication.
- Evaluation of hidden Markov model based adaptive provisioning of optical burst switching networks amenable for upgradation to green flexigrid networks, *Journal of Computer Science*, 105821-827, 2014, Science Publication.
- Hybrid approach for loss recovery mechanism in OBS networks, *CHINESE OPTICS LETTERS (IEEE-OSA)*, 1240 40602(5), 2014, Chinese Linear Press (CLP).
- A multi-layer approach for load balancing in optical burst switching networks, *Optik-International Journal for Light and Electron Optics*, (ELSEVIER) 124172602-2607, 2012, Urban & Fischer.

Conference:

- Green Agriculture Monitoring System, *International Conference on Recent Developments in Engineering Management Sciences & Technology*, 2020.
- VoIP USING Wi-Fi NETWORK, *International Conference on Computer Communication & Power Systems – ICCPS*, 2020.
- A Compact wide band Multi-Stacked patch antenna for UWB Applications, **IEEE International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks**, 77-80, 2019.
- Design of Linear 2×2 Array Using Substrate- Integrated-Waveguide Patch Antenna for 28GHz mm- Wave Applications, **IEEE International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks**, 44-49 2019.
- Implementation of fast binary counter, *International Conference on Recents in Development Engineering Management Science and Technology*, 2019.
- FSO based High Bit Rate Data Transmission for 5G+, *International Conference on Recents in Development Engineering Management Science and Technology*, 2019.
- Performance Analysis of Low Power and High speed 16 bit CRC Generation using GDI Technique, *National Conference on Innovative Computing Techniques*, 2018.

	<ul style="list-style-type: none"> • Embedded based Fire extinguishing Robot”, National Conference on INNOVATIVE COMPUTING TECHNIQUES, 2018. • Fault Tolerance in CMOS VLSI Circuits, International Conference on Informatics, Robotics, Construction & Communication, 2018. • Performance Evaluation of Efficient Assembly of TCP Traffic for Optical Burst Switching Networks, National Conference on System Design and Information Processing 173, 2013. <p>Patent:</p> <ul style="list-style-type: none"> • Indicative Phonological And Visual Recognition System, 2019, IN Patent App. 201941023060A (Awaiting Examination process) (Published in The Patent Office Journal No. 27/2019 Dated 05/07/2019, Page no 27506).
<p>FDP & Workshop Attended Details:</p>	<ul style="list-style-type: none"> • Soft Computing Techniques and its Application at Anand Institute of Higher Technology, Chennai.(AICTE SPONSORED), 15/11/19 to28/11/19. • Fibre–Optic Communication Systems and Techniques NPTEL –AICTE, JUL-OCT 2019. • Machine Learning, NPTEL –AICTE. • CMOS Digital VLSI Design, NPTEL –AICTE. • Embedded Systems and IOT Applications St. Anne's College Of Engineering And Technology, cuddalore(TNSCST SPONSORED) 26/12/18 to 29/12/18.
<p>Professional Membership:</p>	<p>IEEE,ISTE, IETE</p>