



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:	Mr. D.SURESH
Designation:	ASSISTANT PROFESSOR
Date of Birth:	28.07.1987
Educational Qualification:	M.E COMMUNICATION SYSTEMS
Area of Interest:	OPTICAL AND MICROWAVE, EMBEDDED SYSTEMS, VLSI, COMMUNICATION
Years of Experience:	9 Years
Area of Research:	RF AND OPTICAL
No. of Students Project Guided	10
R & D Activities	<ul style="list-style-type: none">• Firmware development for 4 Axle Cleaning Robot funded by Pantech Pro Labs at a cost of Rs.2,06,750.• Design of Fool Proof Centralized Voting Machine funded by CDCE AUTOMATION at a cost of Rs,2,80,000.
Publications Details:	<p>Journals:</p> <ul style="list-style-type: none">❖ Published a paper titled "PC Based Universal electrotherapy station", International Journal of Pharmacy and Technology, Vol.6, Issue No.4, pp. 7628-7648, April 2015, ISSN No: 0975-766X.❖ Published a paper titled " Surgeons Leave behind Instruments Tracking automated systems", International Journal of Pharmacy and Technology, Vol.No.6, Issue No.4, pp.7593-7614, April 2015, ISSN No.0975-766X <p>Conferences:</p> <ul style="list-style-type: none">❖ Published a paper titled " Optical signal processing for secured communication in OCDMA Networks" ENACT-2012, pp.15-20,2012, ISBN No:978-81-909042-3-0❖ Published a paper titled "Road Surface Conditions Monitoring System" in International Conference on Recent Developments in Engineering Management Science and Technology conducted by Dhaanish Ahmed College of Engineering, Chennai.❖ Published a paper titled "Critical Surveillance and Controlling of Fuel tank in rocket engines" in the

	<p>International Conference on Innovation in Science and Engineering Research organized by New Shri Prince Bhavani College of Engineering and Technology, Chennai.</p> <ul style="list-style-type: none"> ❖ Presented the paper of “Double Byte Error Correcting Codes using CA-based CODEC” at “National Conference for Recent Trends in Electronics and Microwave” conducted in Dr. Navalar Neduncheziyan Engineering College, Thozudhur-Tirchy. ❖ Published a paper titled “Wireless Women’s Safety Wearable Device using Raspberry Pi” in International Conference on Recent Developments in Engineering Management Science and Technology conducted by Dhaanish Ahmed College of Engineering, Chennai. ❖ Published a paper titled “Double-Byte Error Correction Code Using CA based CODEC” in National Conference on Research Innovation on Biomedical, Electronics and Communication Engineering conducted by Alpha College of Engineering. ❖ Published a paper titled “Vehicle monitoring and alert system to driver using Raspberry PI” in National Conference on Advanced Computing and Technologies conducted by Velammal Engineering College. ❖ Published a paper titled “Dual Axis Controlled Robot to Mimic Human Writing” in the International Conference on Innovation in Science and Engineering Research organized by OSIET & Prince Shri Venkateshwara Padmavathy Engineering College , Chennai.
<p>FDP & Workshop Attended Details:</p>	<ul style="list-style-type: none"> ❖ Successfully completed “Embedded System Design with ARM & IOT” NPTEL course associated with AICTE. ❖ Attended FDP on “Image Analysis in Spatial Domain” organized by Rajalakshmi Engineering College, Chennai. ❖ Attended Seminar on “Optical Network Security and Reliability issues” Karpaga Vinayaga College of Engineering, Maduranthagam, Sponsored by AICTE. ❖ Attended FDP on “EC6703 - Real time and embedded system” organized by St. Joseph’s Institute of Technology, Chennai. ❖ Attended FDP on “VLSI Design” organized by SSN College of Engineering. ❖ Attended FDP on “Python 3.4.3” training organized at Sri Krishna College of Technology association with IIT Bombay. ❖ Attended workshop on “IOT” organized PSNA College of Engineering and Technology. ❖ Attended AICTE Sponsored Two Week Faculty Development Programme on “Soft Computing

	Techniques and its Applications” conducted by Anand Institute of Higher Technology.
Professional Membership:	Nil