


FACULTY PROFILE		
Staff Name	:	Dr. S.VINAYAGAPRIYA
Faculty ID	:	TEC08/3123179
Designation	:	Associate Professor
Qualification	:	M.E., Ph.D
Teaching Experience	:	21 years and 2 months
PHOTO		
PUBLON ID		https://www.webofscience.com/wos/author/record/O-2191-2013
SCOPUS ID		https://www.scopus.com/authid/detail.uri?authorId=55662050700
ORCHID ID		https://orcid.org/0000-0003-4045-5192
Google Scholar ID		https://scholar.google.com/citations?user=PEIgZk4AAAAJ&hl=en
Area of Specialization	:	OPTICAL COMMUNICATION
Subjects Handled	:	Optical Communication Communication Theory Analog and digital Communication Principles of Communication Basic Electrical and Electronics Engineering Electron Devices and Circuits Linear Integrated circuits Digital Principles and system Design
Books Published	:	-
Journals Published	:	JOURNALS: <ol style="list-style-type: none"> 1. R. Sundarakumar, A.g * Salangai Nayagi, D. Vinodhini, V.c VinayagaPriya, S (2023) A Heuristic Approach to Improve the Data Processing in Big Data using Enhanced Salp Swarm Algorithm (ESSA) and MK-means Algorithm, Journal of Intelligent & Fuzzy Systems.p.no 2625-2640. 2. S Vinayagapriya, KM Yugendran,(2023), Telemetry Monitoring of An Environment Using Robot, Journal of Population Therapeutics and Clinical Pharmacology, Pno. volume 30, issue 12,263-270 3.. S. SreeSouthry, S. Vinayagapriya (2020)“A Highly Accurate And Fast Identification OfForest Fire Based On Supervised Multi Model Image Classification Algorithm (Smica)”,Journal Of Critical Reviews, Vol 7, Issue 6, 2020, Issn- 2394-5125. 4. A Ayub Khan, S. SreeSouthry, S. Vinayagapriya (2020)“

	<p>ADEQUATE IMPROVEMENT FOR SPATIAL VIDEO SCALING FOR VIDEO SURVEILLANCE APPLICATIONS”, Journal Of Critical Reviews, Vol 7, Issue 6, 2020, Issn- 2394-5125.</p> <p>5. S. SreeSouthry, S. Vinayagapriya (2020)“ PERCEPTIVE DATA HEURISTIC CLASSIFICATION ALGORITHM BASED BRAIN TUMOR DETECTION FOR MEDICAL APPLICATIONS”, Journal Of Critical Reviews, Vol 7, Issue 6, 2020, Issn- 2394-5125.</p> <p>6. S. SreeSouthry, S. Vinayagapriya (2021)“Energy Measurement of Solar through cloud source using Aurdino”, Turkish Journal Of Computer and Mathematics Education, Vol 12, No 10, Issn- 5924-5930.</p> <p>7.. S.Vinayagapriya, A.Sivasubramanian(2016), “Mitigation of PMD and PDL induced signal degradation using Levenberg-Marquardt Algorithm”, Optoelectronics and AdvancedMaterial-Rapid Communications, vol.10, No.5-6, May-June 2016 pp.447-452(Annexure-I- web of science) ISSN: 1842-6573.</p> <p>8.S.Vinayagapriya,A.Sivasubramanian, “Investigation of Positive and Negative chirped Super-Gaussian Pulse with PMD and PDL”, International Journal of Applied Engineering Research, vol.10, Issue 70,ISSN-26662795, April 2015</p> <p>9. R.Janarthanan , S.Vinayagapriya(2015), “HIGH GAIN MICROSTRIP ARRAY ANTENNA FOR WLAN APPLICATIONS”, International Journal of Electrical, Electronic Engineering and Telecommunications, Vol 1, No 1, ISSN 2319 – 2518.</p> <p>10. S.Vinayagapriya, A.Sivasubramanian (2015), “Performance Optimization in SMF with PMD and PDL using MPO Technique”, Indian Journal of Computer Science and Engineering, Vol.6, No.2, ISSN : 0976-5166 .</p> <p>11. .S.Vinayagapriya, A.Sivasubramanian, “Analysis of PMD and PDL effect on Chirped Gaussian and SuperGaussian pulse shapes by controlling SOP in SMF”, International Journal of Engineering and Technology, vol.6, No.2, April- May 2014.</p> <p>12. S.Vinayagapriya, A.Sivasubramanian, “Analysis of Pulse Deformation Induced by PDL on Propagation of Chirped Supergaussian Pulse in SMF with and without PMD”, Journal of Theoretical and Applied Information Technology,</p>
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		vol.66,No.1, August 2014 .
Conference /Workshop Attended	:	<p>CONFERENCES:</p> <p>1. Image based theft detection with live streaming,(2023). Vinayagapriya Singaravelu, Sreesouthry Singaravelu, Sabeenian Royappan Savarimuthu, Clara Nancy Mary, Shakthi Harini, AIP Conference Proceeding, volume 2857 issue 1.</p> <p>8. K Karthikayani, S Uma Maheswari, T Vennila, S Rajesh, SB Viswanath, S Vinayagapriya, (2022), Attractive image artifacts suppression in color transfer image, AIP Conference Proceedings volume 2518, issue 1.</p> <p>3.S.Vinayagapriya, .A.Sivasubramanian, “PMD induced broadening on propagation of Chirped Super Gaussian pulse in Single Mode Optical Fiber”, proc. in International Conference on Signal Processing, Image Processing and Pattern Recognition (ICSIPR’2013)</p> <p>4.S.Vinayagapriya, A.Sivasubramanian, “Investigation of Positive and Negative chirped Supergaussian Pulse with PMD and PDL”, International Conference on Advances in Engineering and Applied Sciences(ICA EAS’2015).</p> <p>5.S.Vinayagapriya, , A.Sivasubramanian, “BER Optimization in SMF in the presence of PMD and PDL using MPO Technique” proc. in the National Conference on NASCENT TECHNOLOGIES in Signal Processing and Communication (NT-SIPCOM’16), SEP’2016, pp-35- 38,Anna University, BIT Campus.</p> <p>6.S.Vinayagapriya, , Vaishali ,”(2018) Channel capacity maximisation by PAPR reduction in pilot assisted fiber optic OFDM Communications “ proceeding of the 4th international conference on electrical and electronics, Karpagam College of Engineering, Coimbatore.</p> <p>7. S.Vinayagapriya, A.Sivasubramanian, “Literature Survey on Pulse Width Narrowing in Optical Fibres” proc. in National Conference on Information and Communication Engineering Systems (NICE’2011)</p> <p>8 .S.Vinayagapriya,A.Sivasubramanian, “Pulse Width Analysis on propagation of Chirped Super Gaussian Pulse in Single Mode Optical Fibre”, proc. in the National Conference on Signals, Computing and Communication (COMMUNIQUEST’ 2012).</p>

	<p>Workshop Attended</p> <ol style="list-style-type: none"> 1. One Day National Workshop On “Emerging Trends In Optical Network Technologies”, VIT University, Chennai. 2. National Level Workshop On “Optical Network Design And System Modelling”, St. Joseph’s College Of Engineering, Chennai. 3. National Level Seminar On “Advances In Optical Technologies”, VIT University, Chennai. 4. National Level workshop on “Software Simulation Tools for Optical Communication and Networks”, St. Joseph’s College Of Engineering, Chennai. 5. 3 days hands on training on “Artificial Neural network using Matlab”, MIT, Anna University, Chennai. 6. Two day Faculty Development Training programme on “Image analysis in spatial domain”, Rajalakshmi Engineering College. 7. 6-Day Faculty Development programme on “Signal Integrity for High Speed Digital Links”, SSN College of Engineering, Chennai. 8. One Week Online National Level Faculty Development Programme on “Recent Tools & Technologies for Data Science and Artificial Intelligence” Madanapalle Institute of Technology & Science, Madanapalle. 9. Online Faculty Development Programme on “Machine Learning and Deep Learning”, SRM Institute of Science and Technology. 10. “SIX DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON FUTURE DIRECTION IN IMAGE PROCESSING”, SRM Institute of Science and Technology. 11. Five days FDP on “Innovative research prospects in communication, power systems and machine learning techniques”, Jeppia Institute of Technology 12. AICTE Training And Learning (ATAL) Academy Faculty Development Program on Unlocking the Potential of AI: Journey from Transformer Models to GenAI, Applications from Industry to Space, and the Evolving Threat Landscape at ST. JOSEPH'S COLLEGE OF ENGINEERING
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Patent Details	:	<p>PUBLISHED:</p> <p>1.An IOT based Cattle Health Monitoring System, Indian Patent No: 202141061786</p> <p>2. FPGA BASED SMART ASSIST VIRTUAL DOCTORS IN MEDIC APPS WITH BASIC MEDICAL INFORMATION ABOUT&NBSP;THE&NBSP; PAT, Indian Patent No :202341073234</p> <p>3.Vehicle Safety System using Ultrasonic Sensor, Indian Patent: 202441052101</p> <p>4. Development of a Mobile-Based Hostel Location and Recommendation Chatbot System, Indian Patent: 202441094439</p>
Funded Project Details		-