FACULTY PROFILE FORMAT (Format 3)		
Staff Name	:	Dr. S.VINAYAGAPRIYA
Faculty ID	:	TEC08
Designation	:	Associate Professor
Qualification	:	M.E., Ph.D
Teaching Experience	:	19 years and 6 months
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:** 1. S.Vinayagapriya, A.Sivasubramanian, "Analysis of PMD and PDL effect on Chirped Gaussian and SuperGaussain pulse shapes by controlling SOP in SMF", International Journal of Engineering and Technology, vol.6, No.2, April- May **2014**. 2. 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, vol.66,No.1,August**2014**. 3.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** 4.S.Vinayagapriya, A.Sivasubramanian, "Performance Optimization in SMF with PMD and PDL using MPO Technique", Indian Journal of Computer Science and Engineering, vol.6, No.2 April-May **2015**, pp. 40-44, ISSN: 0976-5166. 5.S.Vinayagapriya, A.Sivasubramanian(**2016**), "Mitigation of PMD and PDL induced signaldegradation 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.

		6. 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. 7. A Ayub Khan, S. SreeSouthry, S. Vinayagapriya (**2020**)" ADEQUATE IMPROVEMENT FOR SPATIAL VIDEO SCALING FOR VIDEO SURVEILLANCE APPLICATIONS",Journal Of Critical Reviews, Vol 7, Issue 6, 2020, Issn- 2394-5125. 8. 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. 9. 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. 10. R.Janarthanan , S.Vinayagapriya(**2015**), "HIGH GAIN MICROSTRIP ARRAY ANTENNA FORWLAN APPLICATIONS", International Journal of Electrical, Electronic Engineeering and Telecommunications, Vol 1, No 1, ISSN 2319 – 2518. 11. 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 . 12. .R.a Sundarakumar, A.g * | Salangai Nayagi, D.b | 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. 13. 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
Conference /Workshop Attended	:	**CONFERENCES:**

	1. 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**)

2.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**).

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**)

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(ICAEAS'**2015**).

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.

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.

7. 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.

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.

WorkshopAttended

1. One Day National Workshop On "Emerging Trends In Optical |

NetworkTechnologies", VIT University, Chennai.

2. National Level Workshop On "Optical Network Design And SystemModelling", 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 OpticalCommunication 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 forHigh Speed Digital Links", SSN College of Engineering, Chennai.

8. Online Faculty Development Programme on "Machine Learning and Deep Learning", SRM Institute of Science and Technology.

Patent Details	:	PUBLISHED: 1.An IOT based Cattle Health Monitoring System, Indian Patent No: 202141061786 2. FPGA BASED SMART ASSIST VIRTUAL DOCTORS IN MEDIC APPS WITH BASIC MEDICAL INFORMATION ABOUT&NBSP;THE&NBSP; PAT, Indian Patent No :202341073234 3.Vehicle Safety System using Ultrasonic Sensor, Indian Patent: 202441052101
Funded Project Details		-