


FACULTY PROFILE		
Staff Name	:	G.Anitha
Faculty ID	:	TEC36 / 3123379
VIDWAN ID		433838
Image		
Publon ID		https://www.webofscience.com/wos/author/record/JHU-3719-2023
Scopus ID		https://www.scopus.com/authid/detail.uri?authorId=57235670500
ORCiD ID		https://orcid.org/0000-0003-0284-1738
Google Scholar ID		https://scholar.google.com/citations?view_op=list_works&hl=en
LinkedIn ID		www.linkedin.com/in/anitha-gopi-9bb4a525a
AICTE Faculty Code		1-2190544938
Designation	:	Assistant Professor
Qualification	:	M.E., (Ph.D)
Teaching Experience	:	11 years and 7 months
Area of Specialization	:	Machine Learning, Biomedical Signal Processing
Subjects Handled	:	Communication Theory Circuit Theory Computer Networks Analog and Digital Communication Adhoc & Wireless Sensor Networks Internet of Things Satellite Communication Wireless Networks Multimedia compression and communication Solid State Devices
Books Published	:	-
Journals Published	:	<ol style="list-style-type: none"> 1. Gopalakrishnan, A., Manickam, J.M.L. A comprehensive ensemble pruning framework based on dual-objective maximization trade-off. <i>Knowl Inf Syst</i> 66, 5335–5353 (2024). https://doi.org/10.1007/s10115-024-02125-3 2. G. Anitha, J. Martin Leo Manickam, Surapaneni Krishna Mohan, Enhanced stacking ensemble Model: A statistical ensemble pruning framework to classify anxiety severity for responsive emergency preparedness, <i>Biomedical Signal Processing and Control</i>, Volume 87, Part A, 2024, 105523, ISSN 1746-8094, https://doi.org/10.1016/j.bspc.2023.105523.
AICTE QIP		Attended 6 months AICTE Sponsored QIP PG Certification on “ Machine Learning” conducted by host Institution IIIT, Surat from June 2024 – Dec 2024. Secured CGPA of 9.83/10.

Conference Attended	:	<ol style="list-style-type: none"> 1. Presented paper titled “Travel mate and Comprehensive Travel Assistance Platform” at the International Conference on “Emerging Technologies for Intelligent Systems” by APJ Abdul Kalam Technological University, Chennai on Feb 7th, 2024. Authors: Preetham, Remigues, Anitha G. 2. Presented paper titled “IoT Based Derailment Prevention Framework Utilizing Advanced Sensor Integration” at International Conference on “Automation and Machine Learning Using Robotics and Artificial Intelligent Methods” conducted by New Prince Shri Bhavani College of Engineering, Chennai on Dec 30th, 2024. Authors: Bhagwanthi, Divyashree, Anitha Gopalakrishnan. 3. Presented paper titled “An innovative Multivariate Classification Model for Wearable Stress and Affect Detection Dataset” at International Conference on Sustainability Innovation in Computing and Engineering. Authors: Jerry, Hemanth, Anitha Gopalakrishnan. 4. Published paper in in International Conference for Phoenixes of Emerging Current trends in Engineering and Management conducted by Panimalar Engineering College held on March 22, 2024. Paper titled as” A Novel Ensemble Pruning Framework Based on Accuracy Margin Metric Ordering. Authors: Chandrasekar, Amir Nawful & Anitha Gopalakrishnan. 5. Published paper in in International Conference for Phoenixes of Emerging Current trends in Engineering and Management conducted by Panimalar Engineering College held on March 22, 2024. Paper titled as” Cyber Cognizance: A novel Machine Learning Based Ensemble Framework for Malware Detection. Authors: Nivetha, Amir Nivashini & Anitha Gopalakrishnan, Sargunavathi. 6. G. Anitha, J. M. L. Manickam, G. Balakrishnan and G. Sathyakumar, "Machine Learning based non-invasive method of determining total body water," <i>2022 7th International Conference on Communication and Electronics Systems (ICCES)</i>, Coimbatore, India, 2022, pp. 1062-1065, doi: 10.1109/ICCES54183.2022.9835855. 7. G. Anitha, P. Roy and N. S, "E-SEEK - RFID based Detection System for Localizing the Misplaced Objects," 2021 6th International Conference on Communication and Electronics Systems (ICCES), Coimbatre, India, 2021, pp. 989-993, doi: 10.1109/ICCES51350.2021.9488933. 8. B. A.M, A. G and V. J. B, "Secured Header Authentication Design using Time Competent HMAC for Optical Burst
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	<p>Switched Networks," 2021 6th International Conference on Communication and Electronics Systems (ICCES), Coimbatre, India, 2021, pp. 311-315, doi: 10.1109/ICCES51350.2021.9489016.</p> <p>9. Presented paper on <u>BIOTELEMETRY</u> for SPARKX 2008 an Inter College Phase Activity, organized by EEE, AMCET.</p> <p>10. Attended and Presented paper in National Conference held at Vellamal Engineering College on the topic of Cooperative Trust Management Scheme for WSN.</p> <p>11. Presented paper about Malicious node detection using Wireless Sensor Networks at Asan Memorial College of engineering and Technology</p> <p>12. G. Anitha, M. Adeline Christina, M. Mohanapriya, "Weather Adaptive Smart Street lighting with face recognition, International journal of advanced research in basic engineering sciences and technology, Vol 5, Issue 7, July 2019, ISSN : 2456-5717.</p> <p>13. "Design and analysis of Efficient Scaled-down magnetic full adder using Magnetic Tunnel Junction". Research Journal of Pharmaceutical, Biological and Chemical Sciences.Vol.10, No.1 pp.340-353, 2019, (Online ISSN:0975-8585), Impact Factor 1.35)</p>
Workshop Attended	<ol style="list-style-type: none"> 1. ATAL sponsored Faculty Development Program on Diverse Applications of Research Paradigms in AI. 2. Faculty Development Program on Computer vision and Natural Language Processing. 3. Faculty Development Program on Artificial intelligence and optimisation techniques conducted by NITTTR Chandigarh. 4. SERB sponsored higher-end workshop on the topic "Behavioral Signal Processing tools and techniques for the emotional analysis in autism children" from 21.02.2022 to 03.03.2022 conducted by the Department of Information Science and Engineering, Bannari Amman Institute of Technology, Sathymangalam. 5. FDP on the topic of "Verilog Programming and Implementation in FPGA" conducted by NITTR, Chennai. 6. FDP on the topic of " Introduction to IoT" conducted by NPTEL AICTE. 7. Participated Faculty development Program and National Level Workshop on network Simulator (NS 2) conducted by Sathyabama University.

NPTEL Courses	<ol style="list-style-type: none"> 1. Python for Data Science – Elite Certified 2. Research Methodology – Elite Certified 3. Introduction to the Internet of Things – Elite Certified 4. Introduction To Industry 4.0 And Industrial Internet Of Things – Elite Certified. 5. Research Methodology – Elite Certified. 6. Python for Data Science – Elite Certified
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Patent Details	:				
		S.No	Patent Title	Name of Applicant(s)	Status
		1	Enhancing Mathematical Reasoning and Self-Efficacy with Problem-Based Learning, Contextual Teaching and Machine Learning Integration	Sravan Kumar, Punithavathi, Salunke, G. Anitha, Subhashini	Published
		2	Impact-activated Airbag System for Scaffold Worker Fall Protection	Mrs. Akila, Kanmani G, Mariram Kumar, Senthil Kumaran, Ashtha Arya, G.Anitha	Published
		3	Skin Disease Identification System And A Method Thereof	Dr.A.M.Balamurugan, B.VictorianJancee, G.Anitha, V.Chandana, A.Prabhu Chakkaravarthy	Published
		4	Intelligent smart poly house roof top irrigation robot	Dr.A.M.Balamurugan, G.Anitha,S.Devipriya, K.Jasmine Mystica	Published

		5	An Automated Treatment Recommendation System Based On Patient - Specific Health Data And Ai Algorithms	Sivasubramanian, Dr.G. Thamarai Selvi, Md Aminul Islam, dr. Gowri A, G.Anitha, Dr. Alpesh Vaghela	Published
		Total Number of Patents (IPR) Published: 05			
Funded Project Details		<ol style="list-style-type: none"> 1. Applied for Niral Thiruvizha for the work titled “Sentiment Insights: Revolutionizing Smart Phone” 2. Applied for Niral Thiruvizha for the work titled “IoT Based Derailment Prevention Framework Utilizing Advanced Sensor Integration” 			
Consultancy		-			
Reviewer		<ol style="list-style-type: none"> 1. Biomedical Signal Processing and Control (Elsevier) 2. Neural Computing and Applications (Springer) 3. Neuro Computing (Elsevier) 			