



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

NAME & INITIALS	Dr. GAYETRI DEVI S.V	
DESIGNATION	PROFESSOR OF PRACTICE & Head	
EDUCATIONAL QUALIFICATION	B.Tech., M.Tech., Ph.D	
EXPERIENCE	18 Years and 6 Months	
DATE OF JOINING	20-09-2023	
EMAIL ID	drgayetridevi@aalimec.ac.in	
AREA OF SPECIALISATION	Enterprise Application Development – Spring Frameworks and Java EE, Scaled Agile Software V&V, Bio-Inspired Computing for Software Reengineering, Software Technical Documentation	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
Ph.D	CSE – Software Engineering	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH, CHENNAI	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH, CHENNAI	2022
M.Tech (Distinction – University Rank Holder)	CSE	SASTRA DEEMED UNIVERSITY, THANJAVUR	SASTRA DEEMED UNIVERSITY, THANJAVUR	2007
B.Tech	ECE	SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE, PONDICHERRY	PONDICHERRY UNIVERSITY	2005

BOOK PUBLICATION DETAILS

Object Oriented Analysis & Design, Pencil Bitz Publication, ISBN : 978-81-979572-6-0, October - 2024

Data Science and Machine Learning using Python, First Edition, Scientific International Publishing House (SIPH), ISBN No: 978-93-6132-423-9, August 2024

Artificial Intelligence', Charulatha Publications, ISBN No: 978-93-6260-212-1, June 2024

Software Engineer's Primer For Testing And Analysis, by Dr.Gayetri Devi S.V, Mahi Publication, 2021 Edition, ISBN Number: 978-93-91556-09-9

FDP ATTENDED

Six days Faculty Development Program on **"A GAN-based Hybrid Deep Learning Approach for IOT"**, during 16th to 21th December 2024, Organized by the Department of Computer Science and Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem, Tamil Nadu, India.

One Week Faculty Development Program /Training Program **"On Practical Aspects of ICT Tools & Online Teaching in Current Scenario"**, during 2nd to 11th September 2024, Organized By: Research Foundation of India & RFI-CARE, In Association with: CT University, Ludhiana, Punjab

One Week Faculty Development Program/Training Program On **"Advanced Informative and Emerging Trends in Teaching and Research (Innovative Teaching and Learning Pedagogy)"**, during 24-30 August 2024, Organized By: Institute of Marketing and Management, Delhi School Of Business Administration, Bhagwan Parshuram Institute Of Technology, New Delhi , Research Foundation of India & RFI-CARE

One week Faculty Development Program on **OBE & NEP 2020**, during 10th to 14th June 2024, jointly organized by Internal Quality Assurance cell – IQAC, PBR VITS, Kavali and VIT-AP University, Amaravathi

Six days FDP/Training Program On **"Innovative Teaching and Learning Pedagogy"** jointly organized by World Innovators University, Research Foundation of India & RFI-CARE from 09-14 February 2024

One -Week Faculty Development Program on **"Emerging Trends And Developments In Simulation And Fabrication Of Semiconductor"** between 2nd May – 8th May 2024, organized by School of Electronics Engineering (SENSE), VIT-AP University.

One week National level Faculty Development Program on **Impact of Emerging Technologies in AI/ML and Data Science**, from 26th February to 02nd March 2024, organized by the Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle in association with Computer Society of India

International Faculty Development Program / Training Program on “ Innovative Teaching and Learning Pedagogy ” jointly organized by World Innovators University (WIU), Research Foundation of India & RFI-Care from 09-14 February 2024
One week National level FDP On “ Impact of Emerging Technologies in AI/ML and Data Science ” organized by Madanapalle Institute of Technology & Science, Madanapalle in association with Computer Society of India from 26 February-02 March 2024
Two days FDP on Hands on Session on Open Source VLSI Tools from VIT-AP University, Amaravati on 20 th – 21 st December 2022
Three days National level FDP on Research Challenges in Artificial Intelligence and Robotics at Sri Krishna College of Engineering and Technology, Coimbatore from 27-12-2022 to 29-12-2022
FDP by Oracle Academy on Artificial Intelligence with Machine Learning in Java (Virtual) from 15 th December 2022 – 16 th February 2023
Five day FDP on Cloud Practitioner (AWS) at VelTech University, Chennai from 14-November 2022 to 18-November-2022

SEMINARS/WEBINARS ATTENDED

Online Webinar on "Higher Education Opportunities with Top 5 Taiwanese Universities: Admissions, Scholarships, Internships, & Applicable Majors", Date: 30th August 2024, Time: 5:00 PM to 6:00 PM IST, organized by International Affairs Offices of National Taiwan Normal University (NTNU), National Sun Yat-sen University (NSYSU), China Medical University (CMU), Chang Gung University (CGU), and Yuan Ze University (YZU).
“Exploring Big Data Analytics” on 21st November 2020 at Bharath Institute of Higher Education and Research, Chennai
“Deep Learning Technologies” on 2nd December 2020 at Bharath Institute of Higher Education and Research, Chennai
“IOT based Applications in Chemical & Automotive Industry” on 21 st December 2020 at Bharath Institute of Higher Education and Research, Chennai
“Intellectual Property Rights” on 04th March 2021 at Dr.M.G.R. Educational and Research Institute, Chennai
“NAAC Assessment and Accreditation: A step by step process” at Bharath Institute of Higher Education and Research, Chennai on 27 th , 28 th and 29 th May 2021
“The Internet of Things: A Compendium” at Bharath Institute of Higher Education and Research, Chennai on 10-06-2021

“Data Analytics and Visualization” Bharath Institute of Higher Education and Research, Chennai on 09-06-2021

“Introduction and Overview on Networking Technologies, Opportunities and Challenges” at Bharath Institute of Higher Education and Research, Chennai on 21st May, 2021

PUBLICATION DETAILS

Devi, S.V.Gayetri & Nalini, T. & Venkatesan, Kgs. (2022). (2022). Graph Learning and Network Science for Natural Language Processing (1st ed.). CRC Press. <https://doi.org/10.1201/9781003272649>.

Devi, S. V. G., & Nalini, T. (2021). Performance of activation function based clustering of automated software coding contracts. International Journal of Grid and Distributed Computing, 14(1), 757–768.

Devi S. V. G., & Nalini C. (2021). Classifying automated programming contracts using TanH2 decision tree classifier. In J. S. Raj, A. M. Iliyasu, R. Bestak, Z. A. Baig (Eds.), Innovative data communication technologies and application. (Vol. 59). Springer, Singapore. https://doi.org/10.1007/978-981-15-9651-3_60

S.V.Gayetri Devi, C Nalini, (2021). Automated Verification and Validation of IoRT Systems. In Human Communication Technology (eds R. Anandan, G. Suseendran, S. Balamurugan, A. Mishra and D. Balaganesh). <https://doi.org/10.1002/9781119752165.ch3>

Gayetri, S. V., & Nalini, T. (2021). Optimizing automated programming contracts with modified ant colony optimization. Indian Journal of Computer Science and Engineering, 12, 226–238. <https://doi.org/10.21817/indjcse/2021/v12i1/211201252>

Devi, S. V. G., & Nalini, C. (2020). Prioritized automated generation of contracts with modified swarm optimization. International Journal of Advanced Science and Technology, 29(8s), 2432–2439.

S.V.Gayetri Devi & C.Nalini. -2020, -"Optimization of Automated Software Contracts Generation by Modified Particle Swarm Optimization", - International Journal of Future Generation Communication and Networking Vol. 13, No. 1, (2020), pp.629-637.

S. V. G. Devi and C. Nalini, "Performance Analysis of K-means clustering based Hyperbolic Tangent Instituted Classification of Automated Coding Contracts," 2020 3rd International Conference on Intelligent Sustainable Systems (ICISS), pp. 489-497

S. V. G. Devi and C. Nalini, "Enhanced K-Means Clustering Algorithm for Feasibility Assessment of ACC," 2020 Second International Conference on Inventive Research in Computing Applications (ICIRCA), pp. 340-345, doi: 10.1109/ICIRCA48905.2020.9182934.

S.V.Gayetri Devi, C Nalini, " A systematic judgement to automated programming contracts generation", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-2, July 2019

V. Gayetri Devi, S., Nalini, C., & Kumar, N. (2018), "An efficient software verification using multi-layered software verification tool", International Journal of Engineering & Technology, 7(2.21), 454. doi:10.14419/ijet.v7i2.21.12465

CONFERENCE DETAILS

Performance analysis of k-means clustering based hyperbolic tangent instituted classification of automated coding contracts in Proceedings of the 3rd International Conference on Intelligent Sustainable Systems, ICISS 2020, 2020, pp. 489–497, 9315994 at SCAD Institute of Technology at Palladam, India on 3-5 December 2020

Enhanced K-Means Clustering Algorithm for Feasibility Assessment of ACC in Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020, 2020, pp. 340–345, 9182934 at RVS College of Engineering and Technology, Coimbatore on 21-23 August 2021