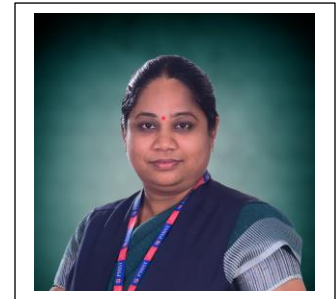


FACULTY PROFILE TEMPLATE

Personal Information:

- **Name:**
A.V.M.B.ARUNA
- **Designation/Position:**
Assistant Professor
- **Department:**
Department of Computer Science and Engineering
- **Email:**
aruna1418@pmu.edu
- **Office Address:**
PKC ,First Floor



Educational Background:

Degree	Major/Field	Institution	Year of Graduation
PhD	CSE	Periyar Maniammai Institute of Science & Technology	Pursuing
M. Tech	SWE	Periyar Maniammai University	2013
B. Tech	CSE	Anna university	2010

Research Interests:

- Artificial Intelligence, Big data analytics, Data structures, Cyber Security.

Teaching Interests:

- Data Structures, C language, Python, Cyber security.

Publications:

- **Books:**

- Book chapter authored by: Dr. M. Sharmila Begum and Ms. A.V.M.B. Aruna, Department of Computer Science and Engineering.

Book chapter title: An Artificial Intelligent Methodology to Classify Knee Joint Disorder Using Machine Learning and Image Processing Techniques

Publisher: WILEY Book Title: Cognitive Analytics and Reinforcement Learning: Theories, Techniques and Applications (Print ISBN: 9781394214037 | Online ISBN: 9781394214068).

- **Journal Articles:**

- A.V.M.B.Aruna, G.Arock Nancy, CONGESTION-DIFFERENTIATION-BASED MODULAR QOS LOCALIZED ROUTING USING JACOBSON'S ALGORITHM FOR WIRELESS SENSOR NETWORKS, International Conference on Computing and Control Engineering (ICCCE 2012) held at DR.M.G.R UNIVERSITY-CHENNAI, Proceeding number ISBN 978-1-4675-2248-9, Published by Coimbatore Institute of Information Technology(Ciit journal).
- A.V.M.B.Aruna, K.Meena, SPOKEN DOCUMENT RETRIEVAL WITH INTERACTIVE MANNER SUGGESTED KEY TERMS RANKED BY A MARKOV DECISION PROCESS USING CLUSTERING ALGORITHMS, IEEE International Conference on Communication and Signal Processing (ICCSP 13) held at ADHIPARASAKTHI ENGINEERING COLLEGE CHENNAI.
- A.V.M.B.Aruna, B.Akalya, G.Arock Nancy, A NOVEL BASED APPROACHES FOR AUTHENTICATING SYSTEMS IN BIOMETRICS USING TMJ THROUGH WAVE ANALYSIS OF FACE AND HEAD VIBRATION, 4th International Conference on SET, VIT-Vellore.
- A.V.M.B.Aruna, G.Arock Nancy, P.Divya Rani, PRIVACY PRESERVATION ON TRAFFIC ANALYSIS IN MULTI-HOP WIRELESS SENSOR NETWORKS USING LINEAR AND RANDOM CODING, Two day International Conference on Algebra and its Applications(ICOAA), PMU-VALLAM.

- **Conference Papers:**

- Product Recommendation System Based on Consumer Review using Sentimental Analysis at 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024) organized by the Department of Electronics and Communication Engineering & Department of Information Technology, Velammal Institute of Technology, Chennai held on 21 & 22, March 2024.
- TIME BASED ACCESS CONTROL OVER ENCRYPTED CLOUD STORAGE SYSTEM, International conference on Artificial Intelligence and smart computing(ICAISC-2023) from March 09th to 11th 2023 at Bannari Amman Institute of Technology.
- UNIVERSITY STAFF AND STUDENTS PERFORMANCE APPRAISAL MANAGEMENT SYSTEM BASED ON DATA ANALYSIS USING HYBRID CLOUD, International conference on Artificial Intelligence and smart computing(ICAISC-2023) from March 09th to 11th 2023 at Bannari Amman Institute of Technology.

- REFINEMENT OF MULTICLASS EXTRACTED IMBALANCED ABNORMAL DATA SAMPLES USING A RANDOMIZED BINARY CLASSIFICATION SYSTEM International Conference On Computational Intelligence And Network Systems (Cins2023) Dubai, UAE, October 18-20, 2023.
- A.V.M.B.Aruna, G.Arock Nancy ,CONGESTION-DIFFERENTIATION-BASED MODULAR QOS LOCALIZED ROUTING USING JACOBSON’S ALGORITHM FOR WIRELESS SENSOR NETWORKS, International Conference on Computing and Control Engineering (ICCCE 2012) helded at DR.M.G.R UNIVERSITY-CHENNAI, Proceeding number ISBN 978-1-4675-2248-9, Published by Coimbatore Institute of Information Technology(Ciit journal).
- A.V.M.B.Aruna, K.Meena, SPOKEN DOCUMENT RETRIEVAL WITH INTERACTIVE MANNER SUGGESTED KEY TERMS RANKED BY A MARKOV DECISION PROCESS USING CLUSTERING ALGORITHMS,IEEE International Conference on Communication and Signal Processing (ICCSP 13) helded at ADHIPARASAKTHI ENGINEEERING COLLEGE CHENNAI.
- A.V.M.B.Aruna, B.Akalya, G.Arock Nancy, A NOVEL BASED APPROACHES FOR AUTHENTICATING SYSTEMS IN BIOMETRICS USING TMJ THROUGH WAVE ANALYSIS OF FACE AND HEAD VIBRATION,4th International Conference on SET,VIT-Vellore.
- A.V.M.B.Aruna, G.Arock Nancy, P.Divya Rani, PRIVACY PRESERVATION ON TRAFFIC ANALYSIS IN MULTI-HOP WIRELESS SENSOR NETWORKS USING LINEAR AND RANDOM CODING, Two day International Conference on Algebra and its Applications(ICOAA),PMU-VALLAM.

Professional Experience:

Position	Institution/Organization	Duration
Assistant Professor	PMIST	2022-Till date

Awards and Honors:

Grants, Funding and Consultancy:

Professional Memberships:

Editorial Roles/Review Committees:

PhD/Master's Students Supervised:

- (Names of students, titles of dissertations, completion year)
-

Invited Talks and Conferences:**Community and University Service:**

- NIRF Coordinator
 - Foundation course coordinator
 - Class In charge
-

Languages:

- "Tamil - Fluent," "English - Fluent," "Malayalam - Conversational"
-

Hobbies/Interests (Optional):

- (List hobbies or personal interests if applicable)



Signature