

Faculty Profile

Dr. Arul Xavier V M, M.E., Ph. D

Assistant Professor,

Department of Computer Science and Engineering

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Academic Background

Degree	University	Year
Ph.D	Anna University	2020
M.E	Anna University	2007
B.Tech	Madras University	2004

Courses Taught

- Programming in C
- Object oriented programming in C++
- Programming in Java
- Python Programming
- Java 2 Enterprise Edition(J2EE)
- Object Oriented Programming in Java
- Web Technology
- Mobile Application Development using Android

Research Interests

- Cloud Computing
- Computational Intelligence
- Data Science
- Machine Learning

Most recent Publications

- Babu, S.A., Raj, R.J.S., Arul Xavier, V.M., Muthukumaran, N. "DCT based enhanced tchebichef moment using huffman encoding algorithm (ETMH)", Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2021, Page No. 522–527, 9388504
- Velliangiri, S., Karthikeyan, P., Arul Xavier, V.M. and Baswaraj, D.. "Hybrid electro search with genetic algorithm for task scheduling in cloud computing", *Ain Shams Engineering Journal*, 2020
- Christy, J.J.J., Joseph, S.I.T., Sudhakar, S. and Arul Xavier, V.M., "Emotion detection in text and acoustic based applications". *Journal of Green Engineering*, 10, pp.3006-3020.
- Arul Xavier V.M.; Rakul David S.; Dani Rajan A.S.; Jeba Praveen S.J.; Guneel Kumar A.J, Framework for National Highway Review System. In *2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS)* , 2020, March, (pp. 961-966). IEEE.
- Swamidason, I.T.J., Tatiparthi, S., Arul Xavier, V.M., Devadass, C.S.C., "Exploration of diverse intelligent approaches in speech recognition systems", *International Journal of Speech Technology* [this link is disabled](#), 2020.
- Periyasami, K., Arul Xavier. V., Joseph, I.T., Sarveshwaran, V. "Combinatorial double auction based meta-scheduler for medical image analysis application in grid environment", *Recent Advances in Computer Science and Communication* [this link is disabled](#), 2020, 13(5), pp. 999–1007.
- Arul Xavier V.M, Annadurai S, Hybrid starling social spider algorithm for energy and load aware task scheduling in cloud computing, *International Journal of Innovative Technology and Exploring Engineering*, 2019, 8(9), pp. 3135-3142
- Arul Xavier V.M, Annadurai S, Chaotic social spider algorithm for load balance aware task scheduling in cloud computing, *Cluster Computing*, 2019, 22, pp. 287-297.
- Christopher K.K., Arul Xavier V.M., Karthikeyan P., Smart Toll Tax Automation and Monitoring System Using Android Application, *IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing, INCOS 2019*, 2019, 8951396.
- Anushree B., Arul Xavier V.M., Comparative Analysis of Latest Task Scheduling Techniques in Cloud Computing environment, *Proceedings of the 2nd International*

Conference on Computing Methodologies and Communication, ICCMC 2018, 2018, pp. 608-611, 8487908

Projects Guided

- Framework for National Highway Review System
- Smart Toll Tax Automation and Monitoring System Using Android Application
- Android Application for Karunya CSE Department
- K-Shop Android Application

Memberships in Professional societies

- NIL

Significant achievements:

- Completed Summer Industry Experience at Carnation InfoTech in Lucknow, 2019.
- Recognized as Bronze partner faculty under inspire – The Campus Connect Faculty Partnership Model, 2017.
- Completed Certification on “Oracle Certified Professional, Java SE Programmer”
- Completed Online NPTEL Certification on “The Joy of Computing using Python” and recognized as Elite+Silver grade.
- Completed “Programming for Everybody (Getting Started with Python)” an online Certification by University of Michigan and offered through Coursera.
- Completed “Python for Data Structures” an online Certification by University of Michigan and offered through Coursera.